



SNDT Women's University, Mumbai

**Master of Business Administration – Finance  
Management  
(MBA-Finance Management)**

*as per NEP-2020*

**Syllabus**

**(2023-25)**

<b>Programme</b>		Master of Business Administration – Finance Management - (MBA-Finance Management)
<b>Preamble</b>		<p>The name of the programme shall be Masters of Business Administration (Finance Management), or MBA (Finance Management)</p> <p>The programme will be of 88 credits, i.e., 22 credits per semester for four semesters.</p> <p>The objective of the programme is to provide students with opportunities to pursue a career in finance by imparting knowledge, skills and attitudes that give a strong foundation for holding competent and responsible executive positions. The curriculum has been designed to enable the student to develop a thorough knowledge of the concepts and techniques of modern management. Further, the programme will enable the student to develop analytical, decision-making and managerial skills required for the industry and be ready to contribute and manage finance in the corporate world. The programme is designed to enable the learner to gain hands on experience and practical exposure in the areas of corporate finance, financial markets and investments.</p>
<b>Programme Outcomes (POs)</b>		<p>After completing this programme, Learner will be able to</p> <ol style="list-style-type: none"> <li data-bbox="610 1268 724 1415">1. Gain knowledge of concepts and techniques of modern management, specifically in the areas of Finance and Investment.</li> <li data-bbox="610 1415 724 1604">2. Acquire skills and attitudes that give a strong foundation for holding competent and responsible executive positions in the corporate world.</li> <li data-bbox="610 1604 724 1845">3. Develop as an academically and professionally competent personnel acquiring analytical, decision making and managerial skills to contribute to financing and investment decisions in an organization.</li> </ol>

	4.	Value ethical behavior in the areas of finance and investment for sustainable development
	5.	Become globally competent
	6.	Acquire Entrepreneurial skills
Eligibility Criteria for Programme		A graduate in any discipline with 50% of marks at graduation for open category and 45% for reserved category from an Indian University recognized by the Association of Indian Universities (AIU).
Intake (For SNTD WU Departments and Conducted Colleges)		
Duration		4 semesters (2 years)

## Program Structure

SN	Courses	Type of Course	Credits	Marks	Int	Ext
	<b>Semester I</b>					
PG 1.1	Managerial Economics	Major (Core)	4	100	50	50
PG 1.2	Financial Reporting, Statements and Analysis	Major (Core)	4	100	50	50
PG 1.3	Managerial Skills for Effectiveness	Major (Core)	4	100	50	50
PG 1.4	Computer Applications for Business	Major (Core)	2	50	50	0
PG 1.5	Cost and Management Accounting	Major (Elective)	4	100	50	50
	Any one course of Finance or allied subject from SWAYAM having 4 credits	Major (Elective)				
PG 1.6	Statistics and Business Research Methodology	Minor Stream (RM)	4	100	50	50
			<b>22</b>	<b>550</b>	<b>300</b>	<b>250</b>
	<b>Semester II</b>					
PG 2.1	Marketing Management	Major (Core)	4	100	50	50
PG 2.2	Human Resource Management	Major (Core)	4	100	50	50
PG 2.3	Operations Management	Major (Core)	4	100	50	50
PG 2.4	Legal and Business Environment	Major (Core)	2	50	0	50
PG 2.5	Corporate Finance	Major (Elective)	4	100	50	50

	Any one course of Finance or allied subject from SWAYAM having 4 credits					
PG 2.6	Internship	OJT (Internship)	4	100	50	50
			<b>22</b>	<b>550</b>	<b>250</b>	<b>300</b>

*Assessment strategies to be used for "Practical external" are: Lab practical of software, Presentation/Seminar/Workshop evaluation, product evaluation, Viva Voce, etc. by external examiners. Theory papers are not to be set for these courses.*

**\* CBCS for other students**

**# can be dropped out by our students**

**\$ Skill-based courses**

SN	Courses	Type of Course	Credits	Marks	Int	Ext
	<b>Semester III</b>					
PG 3.1	Financial Markets and Services	Major (Core) Theory	4	100	50	50
PG 3.2	Managing Banks and Financial Institutions	Major (Core) Theory	4	100	50	50
PG 3.3	Investment Analysis and Portfolio Management	Major (Core) Theory	4	100	50	50
PG 3.4	Behavioral Finance	Major (Core) Theory	2	50	0	50
PG 3.5.1	Financial Econometrics and Research	Major (Elective) Theory	4	100	50	50
PG 3.5.2	Financial Risk Management	Major (Elective) Theory				
PG 3.6	Entrepreneurship and Sectoral Specialisation	RP	4	100	50	50
			<b>22</b>	<b>550</b>	<b>300</b>	<b>250</b>
	<b>Semester IV</b>					
PG 4.1	Taxation	Major (Core) Theory	4	100	50	50
PG 4.2	International Finance	Major (Core) Theory	4	100	50	50
PG 4.3	Financial Derivatives	Major (Core) Theory	4	100	50	50
PG 4.4.1	Mergers, Acquisitions, Corporate Restructuring and Valuation	Major (Elective) Theory	4	100	50	50
PG 4.4.2	Project Appraisal and Finance	Major (Elective) Theory				
PG 4.5	Research Project (Year Long Project)	RP	6	150	100	50
			<b>22</b>	<b>550</b>	<b>250</b>	<b>300</b>

SN	Courses, Modules and Outcomes	Course Contents	Cr
	<b>Semester III</b>		
<b>PG 3.1</b>	<b>Financial Markets and Services</b> <b>Major (Core) Theory</b>		<b>4</b>
	<p><b>Course Outcomes: Learners will be able to:</b></p> <ul style="list-style-type: none"> <li>▪ Understand the organisation of the Indian financial system</li> <li>▪ Understand the importance of the financial system in the economic development</li> <li>▪ Differentiate between Money Market and Capital Market</li> <li>▪ Differentiate Debt and Equity market</li> <li>▪ Apply valuation tools in debt and equity markets</li> <li>▪ Assess the alternative sources of funding available so as to enhance the decision making skills with respect to raising finance from different sources.</li> </ul>		
<b>Module 1</b>	<b>Overview of Indian Financial System</b>		<b>1</b>
	<p><b>LOs:</b> Learners will be able to</p> <ul style="list-style-type: none"> <li>• Understand the organization of the Indian financial system</li> <li>• Analyse the role of economic variables in the financial system and its development</li> </ul>	<p><b>Module Contents:</b></p> <ul style="list-style-type: none"> <li>• Nature and Role of Financial System; Financial System and Economic Development; Savings and Investment; Money, Inflation and Interest Rates</li> <li>• An overview of Indian Financial System - Financial Markets and the types, Financial Instruments, Financial Intermediaries and Financial Services</li> </ul>	
<b>Module 2</b>	<b>Money Market and Capital Market</b>		<b>1</b>
	<p><b>LOs:</b> Learners will be able to</p> <ul style="list-style-type: none"> <li>• Differentiate between Money Market and Capital Market</li> <li>• Understand various instruments traded in the Money Market</li> <li>• Understand the concept of Capital Market and the various</li> </ul>	<p><b>Module Contents:</b></p> <ul style="list-style-type: none"> <li>• Money Market: Call Money Market, Treasury Bills Market, Markets for Commercial Paper and Certificate of Deposits, Government Securities Market</li> <li>• Capital Market: Introduction, Concept, Role, Importance, Evolution of Capital Market in India; Role of</li> </ul>	

	instruments traded in capital market	SEBI in regulating Capital Markets; GIFT IFSC, International Financial Services Centre Authority (IFSCA)	
<b>Module 3</b>	<b>Debt Market and Equity Market</b>		<b>1</b>
	<b>LOs:</b> Learners will be able to <ul style="list-style-type: none"> <li>• Differentiate Debt and Equity Market</li> <li>• Analyze risk and returns in bond markets</li> <li>• Analyze risk and returns in equity markets</li> </ul>	<b>Module Contents:</b> <ul style="list-style-type: none"> <li>• Debt Market - Overview of Fixed-Income Securities, Risk Factors in Fixed-Income Securities, Types of Bonds, Bond Returns, Current Yield, Yield-to-Maturity, Price-Yield relationship, Duration and Convexity</li> <li>• Equity Market –Stock: Return and Valuation; Methods of Valuation and examples</li> </ul>	
<b>Module 4</b>	<b>Financial Intermediaries and Services</b>		<b>1</b>
	<b>LOs:</b> Learners will be able to <ul style="list-style-type: none"> <li>• Understand the role of different intermediaries available and the financial services offered</li> <li>• Assess alternative sources of funds</li> </ul>	<b>Module Contents:</b> <ul style="list-style-type: none"> <li>• Credit Rating, Factoring, Hire Purchase, Leasing, Venture Capital, Private Equity, Angel Funds – Concept, Functions and Role; Assessment of Alternative Sources of Funds</li> </ul>	
<b>Assignments/ Activities towards CCE</b>			
	<ul style="list-style-type: none"> <li>• Compute risk in equity shares</li> <li>• Analyze the impact of news announcements on financial markets</li> <li>• Analyze credit ratings of companies</li> <li>• MCQ Quizzes using LMS</li> </ul>		

### References:

#### Books

- 1) Indian Institute of Banking and Finance. Indian Economy & Indian Financial System. 2023
- 2) Vinod Kumar, et al. Taxmann's Financial Markets, Institutions and Services. 2021
- 3) Khan M.Y. *Indian Financial System*, Tata McGraw Hill, 2019
- 4) Machiraju, H.R., Indian Financial System, Vikas Publications, 2019



5) Bharati V. Pathak, Indian Financial System, Pearson Education, 2018

6) Gurusamy, *Indian Financial System*, Tata McGraw Hill, 2009

7) Punithavathy. P. Financial Services and Markets, Vikas Publishing, 2009

### Journals

- ✓ Indian Journal of Finance (ISSN 0973 – 8711)
- ✓ Finance India (ISSN 0970 – 3772)

### Websites

- ✓ <http://www.indianjournaloffinance.co.in>
- ✓ <http://www.financeindia.org>

### MOOC

- ✓ Financial Institutions And Markets  
[https://onlinecourses.nptel.ac.in/noc24\\_mg20/preview](https://onlinecourses.nptel.ac.in/noc24_mg20/preview)
- ✓ Global Financial Markets and Instruments  
<https://www.coursera.org/learn/global-financial-markets-instruments>
- ✓ Financial Markets <https://www.coursera.org/learn/financial-markets-global>

SN	Courses, Modules and Outcomes	Course Contents	Cr
	<b>Semester III</b>		
<b>PG 3.2</b>	<b>Managing Banks and Financial Institutions</b> <b>Major (Core) Theory</b>		<b>4</b>
	<b>Course Outcomes: Learners will be able to</b> <ul style="list-style-type: none"><li>▪ Understand the functioning of Banks, Insurance Companies, Mutual Funds and other Financial Institutions in India</li><li>▪ Gain knowledge on the regulatory aspects and legal environment related to financial institutions</li><li>▪ Equip with adequate skills to manage the financial institutions in the ever changing financial environment</li><li>▪ Update on recent trends and innovations in banking and other financial institutions.</li></ul>		

<b>Module 1</b>	<b>Introduction to Banking</b>		<b>1</b>
	<b>LOs:</b> Learners will be able to <ul style="list-style-type: none"> <li>• Understand the structure of the banking sector in India</li> <li>• Understand the role and operations of banks in India</li> </ul>	<b>Module Contents:</b> <ul style="list-style-type: none"> <li>• Evolution and Role of Banking, Banking and Economic Development, Commercial Banks, Cooperative Banks, Regional Rural Banks, Agriculture and Rural Development Banks.</li> <li>• Functions of Banks</li> </ul>	
<b>Module 2</b>	<b>Banking Regulation</b>		<b>1</b>
	<b>LOs:</b> Learners will be able to <ul style="list-style-type: none"> <li>• Understand Banking regulation in India</li> <li>• Understand monitoring of NPA by RBI</li> </ul>	<b>Module Contents:</b> <ul style="list-style-type: none"> <li>• Role of RBI in regulating and supervising banks</li> <li>• Basel Norms - Basel I, II &amp; III norms</li> <li>• Bank – Customer Relationship, Anti-Money Laundering and KYC, Banking Ombudsman Scheme, Banking and Financial Inclusion - SARFAESI Act - NPA and its resolution</li> <li>• Insolvency Code and Securitization</li> </ul>	
<b>Module 3</b>	<b>Insurance and Mutual Funds</b>		<b>1</b>
	<b>LOs:</b> Learners will be able to <ul style="list-style-type: none"> <li>• Understand the working of insurance companies in India</li> <li>• Understand the working of Mutual Fund Companies in India</li> </ul>	<b>Module Contents:</b> <ul style="list-style-type: none"> <li>• Principles governing the contract of insurance</li> <li>• Brief on working of Insurance companies in India</li> <li>• Brief on working of Mutual Funds in India</li> </ul>	
<b>Module 4</b>	<b>Financial Institutions</b>		<b>1</b>
	<b>LOs:</b> Learners will be able to <ul style="list-style-type: none"> <li>• Understand the role of various financial institutions in India</li> </ul>	<b>Module Contents:</b> <ul style="list-style-type: none"> <li>• Study of Financial Institutions – ECGC, EXIM, NABARD, NHB, SIDBI, CGTMSE etc., NBFC, Investment Banks</li> </ul>	

	<ul style="list-style-type: none"> <li>• Comprehend the innovations and trends in the emerging banking scenario</li> </ul>	<ul style="list-style-type: none"> <li>• Innovations and Recent trends in Banking and Financial Institutions</li> </ul>	
<b>Assignments/ Activities towards CCE</b>			
	<ul style="list-style-type: none"> <li>• Assignment on CRR and SLR regulations by RBI</li> <li>• Assignment on Monetary policy of RBI</li> <li>• Group Project on Basel prescriptions</li> <li>• MCQ Quizzes using LMS</li> </ul>		

## References:

### Books

- 1) Indian Institute of Banking and Finance, Principles of Banking, Macmillan, 2022
- 2) Insurance Institute of India, Principles of Insurance, Insurance Institute of India Publication, 2013
- 3) Trivedi V. & Jatana Renu, Indian Banking System, RBSA Publishers, 2011
- 4) Indian Institute of Banking and Finance, Banking Products and Services, Taxmann Publications, 2010
- 5) George E Thomas & Mishra K.C., General Insurance Principles and Practice, NIA and Cengage, 2009

### Journals

- ✓ RBI Bulletin
- ✓ The Journal of Insurance Institute of India

### Websites

- ✓ rbi.org.in
- ✓ <https://www.insuranceinstituteofindia.com>
- ✓ <http://www.irda.gov.in>

### MOOC

- ✓ Introduction to Banking and Financial Markets  
[https://onlinecourses.swayam2.ac.in/imb24\\_mg66/preview](https://onlinecourses.swayam2.ac.in/imb24_mg66/preview)
- ✓ Banking and Financial Markets: A Risk Management Perspective -  
[https://onlinecourses.swayam2.ac.in/imb24\\_mg61/preview](https://onlinecourses.swayam2.ac.in/imb24_mg61/preview)
- ✓ Banking and Financial Institutions <https://www.coursera.org/learn/banking-and-financial-institutions>

SN	Courses, Modules and Outcomes	Course Contents	Cr
	<b>Semester III</b>		
<b>PG 3.3</b>	<b>Investment Analysis and Portfolio Management</b> <b>Major (Core) Theory</b>		<b>4</b>
	<b>Course Outcomes: Learners will be able to:</b> <ul style="list-style-type: none"> <li>▪ Analyse securities and make investment decisions using fundamental analysis</li> <li>▪ Analyse securities and make investment decisions using technical analysis</li> <li>▪ Select securities for building portfolios, analyse and evaluate the performance of portfolio</li> <li>▪ Apply pricing models and asset allocation techniques for managing bond and equity funds.</li> </ul>		
<b>Module 1</b>	<b>Returns and Risk in Investment</b>		<b>1</b>
	<b>LOs:</b> Learners will be able to <ul style="list-style-type: none"> <li>• Understand the meaning of investment and types of investors</li> <li>• Understand the investment process</li> <li>• Compute risk and returns</li> </ul>	<b>Module Contents:</b> <ul style="list-style-type: none"> <li>• Meaning of Investment, Speculation and Gambling; Investment Avenues;</li> <li>• Types of Investors; Investment Objectives; The Investment Process</li> <li>• Returns and Risk (Individual and Portfolio) Computation of Returns; Meaning and Definition of Risk; Types of Risk; Minimizing Risk Exposure, Risk Measurement; Use of Beta in estimating returns. Measuring Risk through VaR analysis.</li> </ul>	
<b>Module 2</b>	<b>Fundamental Analysis</b>		<b>1</b>
	<b>LOs:</b> Learners will be able to <ul style="list-style-type: none"> <li>• Understand the concept of fundamental analysis in investment decisions</li> <li>• Apply fundamental analysis for making investment decisions.</li> </ul>	<b>Module Contents:</b> <ul style="list-style-type: none"> <li>• Fundamental Analysis - Economic Analysis, Industry Analysis and Company Analysis.</li> </ul>	
<b>Module 3</b>	<b>Technical Analysis</b>		<b>1</b>
	<b>LOs:</b> Learners will be able to	<b>Module Contents:</b>	

	<ul style="list-style-type: none"> <li>• Understand the meaning of Technical analysis in investment decisions</li> <li>• Apply technical analysis for making investment decisions.</li> </ul>	<ul style="list-style-type: none"> <li>• Technical Analysis: Meaning and Assumptions of Technical Analysis, Trend lines and their significance, Market indicators; Price indicators; Volume indicators; Price-volume relationship; Relative Strength Index (RSI); Rate of Change (ROC); Charting - Types of price charts, Price patterns.</li> <li>• Efficient Market Hypothesis (EMH) – Random Walk theory, Forms of EMH, EMH and empirical findings, Implication of EMH on fundamental and technical Analysis, Market inefficiencies.</li> </ul>	
<b>Module 4</b>	<b>Portfolio Management</b>		<b>1</b>
	<p><b>LOs:</b> Learners will be able to</p> <ul style="list-style-type: none"> <li>• Understand the meaning of portfolio</li> <li>• Construct and evaluate portfolios</li> <li>• Understand different models in portfolio management</li> </ul>	<p><b>Module Contents:</b></p> <ul style="list-style-type: none"> <li>• Meaning of portfolio; Reasons to hold portfolio; Portfolio Analysis, Selection and Evaluation; Markowitz’s Model; Efficient frontier; Sharpe’s Single Index Model; Capital Asset Pricing Model; Factor Models and Arbitrage Pricing Theory and Portfolio Performance Evaluation – Asset Allocation techniques - Managing Equity and Bond Funds</li> </ul>	
<b>Assignments/ Activities towards CCE</b>			
	<ul style="list-style-type: none"> <li>• Assignment on Fundamental analysis of a stock</li> <li>• Project on Technical Analysis of a stock</li> <li>• MCQ Quizzes using LMS</li> </ul>		

## References:

### Books

- 1) Chandra Prasanna, *Investment Analysis and Portfolio Management*, Tata McGraw Hill, 2021
- 2) Dempsey M. *Investment Analysis: An Introduction to Portfolio Theory and Management*. Routledge. 2019
- 3) Fischer. D, et. al. *Security Analysis and Portfolio Management*, Pearson, 2018

- 4) Punithavathy. P, *Security Analysis and Portfolio Management*, Vikas Publishing, 2013

### Journals

- ✓ The Journal of Portfolio Management (Print: ISSN: 0095-4918, E-ISSN: 2168-8656)
- ✓ Financial Markets and Portfolio Management (Electronic ISSN -2373-8529; Print ISSN: 1934-4554)

### Websites

- ✓ <http://www.bseindia.com/>
- ✓ <http://www.nseindia.com/>
- ✓ [http://www.nseindia.com/education/content/module\\_ncfm.htm](http://www.nseindia.com/education/content/module_ncfm.htm)

### MOOC

- ✓ Investment Management  
[https://onlinecourses.nptel.ac.in/noc24\\_mg34/preview](https://onlinecourses.nptel.ac.in/noc24_mg34/preview)
- ✓ Investment Management  
<https://www.coursera.org/specializations/investment-management>

SN	Courses, Modules and Outcomes	Course Contents	Cr
	<b>Semester III</b>		
<b>PG 3.4</b>	<b>Behavioral Finance</b> <b>Major (Core) Theory</b>		<b>2</b>
	<b>Course Outcomes: Learners will be able to:</b> <ul style="list-style-type: none"> <li>▪ Analyse the behaviour of individuals and institutional investors in the finance markets</li> <li>▪ Examine how emotions, social interactions, etc. affect behaviour of investors</li> <li>▪ Understand the biases that cause the making of errors in financial decision making</li> <li>▪ Analyse the relationship between behavioural finance and any event such as a financial crisis</li> </ul>		

<b>Module 1</b>	<b>Behavioral Finance Theory and Biases</b>		<b>1</b>
	<p><b>LOs:</b> Learners will be able to</p> <ul style="list-style-type: none"> <li>• Understand alternate framework for price discovery in the markets</li> <li>• Identify persistent or systematic behavioral factors that influence investment behavior</li> <li>• Understand the limitations of 'rational' models of investment decision making</li> </ul>	<p><b>Module Contents:</b></p> <ul style="list-style-type: none"> <li>• Overview of behavioral finance, Investment Decision Cycle: Judgment under Uncertainty Overconfidence and individual investors, Overconfidence and professional investors Disposition effect, Brief History of Rational Thought, Paradoxes</li> <li>• Utility/ Preference Functions: Expected Utility Theory [EUT], Risk perceptions, Prospect theory, Decision frames</li> <li>• Financial Decision making errors – Biases that caused these errors – Information Screening Biases – Information Processing: Bayesian Decision Making, Heuristics and cognitive biases - Forecasting Biases, Mental accounting Familiarity and representativeness.</li> </ul>	
<b>Module 2</b>	<b>Behavioral Biases and Corporate Decision-making</b>		<b>1</b>
	<p><b>LOs:</b> Learners will be able to</p> <ul style="list-style-type: none"> <li>• Understand the concept of behavioral portfolio management</li> <li>• Understand influence of behavior biases on corporate decision-making</li> </ul>	<p><b>Module Contents:</b></p> <ul style="list-style-type: none"> <li>• Behavioral portfolio management</li> <li>• Herding Social interaction</li> <li>• Emotions and investment decisions</li> <li>• Behavioral biases and corporate decision-making (Valuation, capital budgeting, and capital structure) Behavioral biases and corporate decision-making (Dividend policy and mergers and acquisitions)</li> <li>• Psychological phenomena, corporate governance and group process Behavioral finance and the financial crisis</li> </ul>	
<b>Assignments/ Activities towards CCE</b>			
	<ul style="list-style-type: none"> <li>• Assignment on individual investor behavior</li> <li>• Project on behavior of institutional buyers</li> <li>• MCQ Quizzes using LMS</li> </ul>		

## References:

### Books

- 1) Prasanna Chandra, Behavioral Finance, Tata McGraw Hill, 2020
- 2) Ranjit Singh, Behavioral Finance, Prentice Hall of India, 2019
- 3) M.M.Sulphey, Behavioral Finance, PHI Learning, 2014
- 4) William Forbes, Behavioral Finance, Wiley and Sons. 2011
- 5) Parag Parikh, Value Investing and Behavioral Finance, Tata McGraw Hill, 2009

### Journals

- ✓ Journal of Behavioral Finance (Print ISSN: 1542-7560 Online ISSN: 1542-7579)
- ✓ Journal of Behavioral and Experimental Finance (Print ISSN: 2214-6350 Online ISSN: 2214-6369)

### Websites

- ✓ <https://www.behavioralfinance.com/>
- ✓ <https://www.raymondjames.com/mind-matters>

### MOOC

- ✓ Behavioural Finance [https://onlinecourses.swayam2.ac.in/imb24\\_mg106/preview](https://onlinecourses.swayam2.ac.in/imb24_mg106/preview)
- ✓ Behavioral Finance <https://www.coursera.org/learn/duke-behavioral-finance>

SN	Courses, Modules and Outcomes	Course Contents	Cr
	<b>Semester III</b>		
<b>PG 3.5.1</b>	<b>Financial Econometrics and Research</b>		<b>4</b>
	<b>Major (Elective) Theory</b>		
	<b>Course Outcomes: Learners will be able to:</b> <ul style="list-style-type: none"><li>▪ Understand different sources and types of financial data</li><li>▪ Collect data from different sources</li><li>▪ Analyse financial data available on the performance of company, industry and economy</li><li>▪ Forecast future financial performance</li><li>▪ Use survey-based research tools in the area of financial research</li></ul>		



<b>Module 1</b>	<b>Introduction</b>		<b>1</b>
	<p><b>LOs:</b> Learners will be able to</p> <ul style="list-style-type: none"> <li>• Collect financial and economic data from various sources</li> <li>• Collate and present data for analysis</li> <li>• Apply Exponential Smoothing and linear regression model in analysis</li> </ul>	<p><b>Module Contents:</b></p> <ul style="list-style-type: none"> <li>• Meaning of Financial Econometrics</li> <li>• Sources Financial and Economic data - Primary and Secondary</li> <li>• Types of Data - Time Series Data, Cross-section Data, Panel Data</li> <li>• Exponential Smoothing, Classical Linear Regression Model</li> </ul>	
<b>Module 2</b>	<b>Auto-Regression and Moving Average Models</b>		<b>1</b>
	<p><b>LOs:</b> Learners will be able to</p> <ul style="list-style-type: none"> <li>• Apply the tests for stationarity of time-series data</li> <li>• Apply Auto-regression and Moving Average models in analysis of data</li> </ul>	<p><b>Module Contents:</b></p> <ul style="list-style-type: none"> <li>• Stationary and Nonstationary Timeseries, Test of Stationarity, Auto Regressive, Moving Average, ARMA models of Stationary Time Series</li> <li>• ARIMA (p, d, q) models for analysis and forecasting of financial data</li> <li>• Q and LB Statistic, Box Jenkins Methodology for ARIMA models. Practical Applications using financial data, Evaluation of Forecasts, Root Mean Square Error.</li> </ul>	
<b>Module 3</b>	<b>Multiple Regression Model</b>		<b>1</b>
	<p><b>LOs:</b> Learners will be able to</p> <ul style="list-style-type: none"> <li>• Analyse data using multiple regression models</li> <li>• Apply Logit and Probit Models to analyse data</li> <li>• Understand ARCH and GARCH Models in estimating asset price volatility</li> </ul>	<p><b>Module Contents:</b></p> <ul style="list-style-type: none"> <li>• Multiple Regression models for financial data, Multiple Regression models for financial data, Cointegration, Vector Auto regression, Vector Error Correction Model, Logit and Probit models</li> <li>• Modelling asset return volatility, ARCH, GARCH models for estimating asset price volatility and volatility forecasting.</li> </ul>	
<b>Module 4</b>	<b>Survey-based Research in Finance</b>		<b>1</b>

	<p><b>LOs:</b> Learners will be able to</p> <ul style="list-style-type: none"> <li>• Understand survey-based research in the area of finance</li> <li>• Prepare questionnaire and analyse the responses using various statistical techniques</li> </ul>	<p><b>Module Contents:</b></p> <ul style="list-style-type: none"> <li>• Survey-based Research in the area of Finance</li> <li>• Preparation and Analysis of Questionnaire using Chi Square test, t-test, ANOVA, Factor Analysis, Correlation, Regression.</li> </ul>	
<b>Assignments/ Activities towards CCE</b>			
	<ul style="list-style-type: none"> <li>• Assignment of collection and collation of finance/economic data</li> <li>• Assignment on analysis of time series data</li> <li>• Project on Survey-based Research</li> <li>• MCQ Quizzes using LMS</li> </ul>		

## References:

### Books

- 1) Brooks, C.. *Introductory Econometrics for Finance*. Cambridge University Press, 2014
- 2) Frank Fabozzi, et al. *The basics of Financial Econometrics*, John Wiley, 2014
- 3) Gujarati, DN, et al. *Basic Econometrics*, 2017
- 4) Enders, W. *Applied Econometric Time Series*. John Wiley. 2013
- 5) Tsay, R.S. *Analysis of Financial Time Series*. (3<sup>rd</sup>ed.). New York, NY: John Wiley. 2010
- 6) Koop, G. *Analysis of Financial Data*. John Wiley. 2006

### Journals

- ✓ Journal of Financial Econometrics (Online ISSN 1479-8417; Print ISSN 1479-8409)
- ✓ Quantitative Finance and Economics (ISSN 2573-0134)
- ✓ Arthshastra Indian Journal of Economics and Finance (Print ISSN 2278 – 1811)

### Websites

- ✓ <http://www.indianjournalofeconomicsandresearch.com>
- ✓ <https://salve.libguides.com/c.php?g=434925&p=2964221>

### MOOC

- Introduction to Econometrics
- ✓ [https://onlinecourses.nptel.ac.in/noc24\\_ec06/preview](https://onlinecourses.nptel.ac.in/noc24_ec06/preview)  
Econometricis

- ✓ [https://onlinecourses.swayam2.ac.in/cec24\\_hs32/preview](https://onlinecourses.swayam2.ac.in/cec24_hs32/preview)  
Applied Statistics and Econometrics
- ✓ [https://onlinecourses.nptel.ac.in/noc24\\_ec03/preview](https://onlinecourses.nptel.ac.in/noc24_ec03/preview)

SN	Courses, Modules and Outcomes	Course Contents	Cr
	<b>Semester III</b>		
<b>PG 3.5.2</b>	<b>Financial Risk Management</b>		<b>4</b>
	<b>Major (Elective) Theory</b>		
	<b>Course Outcomes: Learners will be able to:</b> <ul style="list-style-type: none"> <li>▪ Understand different types of financial risks</li> <li>▪ Measure various types of risks</li> <li>▪ Formulate strategies to deal with Market Risks, Credit Risks and other Risks faced by the institutions</li> <li>▪ Evaluate the integrated risk environment of the organization.</li> </ul>		
<b>Module 1</b>	<b>Introduction to Financial Risk</b>		<b>1</b>
	<b>LOs:</b> Learners will be able to <ul style="list-style-type: none"> <li>• Understand the different types of financial risks</li> <li>• Identify sources of financial risk</li> <li>• Understand the importance of Financial Risk Management</li> </ul>	<b>Module Contents:</b> <ul style="list-style-type: none"> <li>• Financial Risk – Meaning and Types</li> <li>• Nature, sources and measures of financial risks.</li> <li>• Importance of Financial Risk Management.</li> </ul>	
<b>Module 2</b>	<b>Managing Market Risks</b>		<b>1</b>
	<b>LOs:</b> Learners will be able to <ul style="list-style-type: none"> <li>• Identify different sources of market risk</li> <li>• Measure Market Risk</li> <li>• Measure Portfolio risk</li> </ul>	<b>Module Contents:</b> <ul style="list-style-type: none"> <li>• Sources of market risk</li> <li>• Measures of market risk.</li> <li>• Value at Risk. RiskMetrics Approach. Historical Simulations. Monte Carlo Simulations.</li> <li>• Portfolio Risk Measure. Portfolio Risk Budgeting. Stress Testing and Back Testing. Capital Charges</li> </ul>	

<b>Module 3</b>	<b>Managing Credit Risks</b>		<b>1</b>
	<b>LOs:</b> Learners will be able to <ul style="list-style-type: none"> <li>• Measure Credit risk</li> <li>• Understand Default Risk Models</li> <li>• Apply Credit Derivatives to hedge credit risk</li> </ul>	<b>Module Contents:</b> <ul style="list-style-type: none"> <li>• Concept of Credit Risk. Individual Loan Risks. Measurement of Credit Risk. Default Risk Models. Loan Portfolio and Concentration Risk. Credit Ratings. Credit Derivatives. Capital Charges.</li> </ul>	
<b>Module 4</b>	<b>Different Risks and their Management</b>		<b>1</b>
	<b>LOs:</b> Learners will be able to <ul style="list-style-type: none"> <li>• Understand other types of financial risks</li> <li>• Understand the concept of Enterprise Risk Management</li> </ul>	<b>Module Contents:</b> <ul style="list-style-type: none"> <li>• Other types of financial risks faced by organizations. Measures and handling of off-Balance-sheet risks, foreign exchange risks, sovereign risk, liquidity risk, technology and other operational risks. Risk hedging and management.</li> <li>• Enterprise Risk Management, Integrated Approach to Risk Management.</li> </ul>	
<b>Assignments/ Activities towards CCE</b>			
	<ul style="list-style-type: none"> <li>• Assignment on calculation of market risk</li> <li>• Project on Credit Risk models</li> <li>• Measuring different types of risk</li> <li>• MCQ Quizzes using LMS</li> </ul>		

## References:

### Books

- 1) Arora RK, Financial Risk Management, Wiley Publications, 2021
- 2) Indian Institute of Banking and Finance, Risk Management, Macmillan Education, 2023
- 3) Philippe Jorion, Value at Risk, Tata McGraw Hill, New Delhi, 2009
- 4) Varma JR., Derivatives and Risk Management, Tata McGraw Hill, New Delhi, 2008
- 5) Don M Chance, Financial Risk Management, World Scientific, 2020

### Journals

- ✓ Journal of Financial Risk Management (Online ISSN 2167-9541; Print ISSN 2167-9533)

- ✓ The IUP Journal of Financial Risk Management (ISSN 0972-916X)

### Websites

- ✓ <https://www.mdpi.com/journal/jrfm>
- ✓ <http://www.indianjournalofeconomicsandresearch.com>

### MOOC

- Banking and Financial Markets: A Risk Management Perspective
  - ✓ [https://onlinecourses.swayam2.ac.in/imb24\\_mg61/preview](https://onlinecourses.swayam2.ac.in/imb24_mg61/preview)
- Commodity Derivatives and Risk Management
  - ✓ [https://onlinecourses.nptel.ac.in/noc24\\_mg115/preview](https://onlinecourses.nptel.ac.in/noc24_mg115/preview)

SN	Courses, Modules and Outcomes	Course Contents	Cr
	<b>Semester III</b>		
<b>PG 3.6</b>	<b>Entrepreneurship and Sectoral Specialisation - RP</b>		<b>4</b>
	<b>Course Outcomes: Learners will be able to</b> <ul style="list-style-type: none"> <li>• Understand the requirements to start a new small/medium enterprise</li> <li>• Augment their entrepreneurial skills in the area of their interest.</li> </ul>		
<b>Module 1</b>	<b>Concept of Entrepreneurship</b>		<b>1</b>
	<b>LOs:</b> Learners will be able to <ul style="list-style-type: none"> <li>• Develop an entrepreneurial mindset characterized by creativity, initiative, resilience, and a willingness to take calculated risks.</li> <li>• Identify and evaluate entrepreneurial opportunities by recognizing unmet needs, market gaps, and emerging trends.</li> </ul>	<b>Module Contents:</b> <ul style="list-style-type: none"> <li>• Concept of Entrepreneurship and emergence of entrepreneurial class Theories of entrepreneurship Characteristics of entrepreneurial leadership, risk taking, decision taking and business planning.</li> <li>• Analysis of business opportunities, environmental scanning, Sectoral studies, process of</li> </ul>	

	<ul style="list-style-type: none"> <li>Develop comprehensive business plans and strategies that outline the vision, mission, goals, target market, value proposition, and competitive advantage of their entrepreneurial ventures.</li> </ul>	<ul style="list-style-type: none"> <li>generating business ideas, screening and selection</li> <li>Techno-economic feasibility studies. Development of detailed project report for implementation</li> <li>Ancillary industry development; Identification of opportunities for ancillary industries. Entrepreneurial opportunities in service industries, transportation, distribution and agro industries.</li> </ul>	
<b>Module 2</b>	<b>Institutional framework for entrepreneurship development</b>		<b>1</b>
	<p><b>LOs:</b> Learners will be able to</p> <ul style="list-style-type: none"> <li>Understand the legal and regulatory requirements for starting and operating a business, including business registration, intellectual property protection, contracts, and compliance with labor laws and industry regulations.</li> <li>Foster a culture of innovation and creativity within their ventures, encouraging experimentation, continuous learning, and the pursuit of new ideas and opportunities.</li> <li>Consider ethical and social responsibility considerations in entrepreneurship, including honesty, integrity, fairness, environmental sustainability, and social</li> </ul>	<p><b>Module Contents:</b></p> <ul style="list-style-type: none"> <li>Institutional framework for entrepreneurship development in our country. Government policy, agencies supporting entrepreneurship &amp; development, industrial estates, financial incentives, backward area benefits, schemes for the educated unemployed, fiscal incentives, procurement of industrial equipment, marketing support, source of finance : institutional and others.</li> <li>Training for entrepreneurship development.</li> <li>Entrepreneurial behaviour, techno-economics innovation and entrepreneurship, socio-psychological factors</li> </ul>	

	impact, to build trust and credibility with stakeholders.	influencing entrepreneurial development.	
<b>Assignments/Activities towards</b>			
	<ul style="list-style-type: none"> <li>• Business Plan Development</li> <li>• Entrepreneurial Case Studies Analysis</li> <li>• Market Research and Validation</li> <li>• Startup Simulation Game</li> <li>• Entrepreneurial Mindset Development</li> <li>• Business Model Canvas Workshop</li> </ul>		

**Sectoral Specialisation Report on any of the areas: 2 credits**

**The following areas of sectoral specialization will be offered.**

1.	Credit Rating
2.	Venture Capital Funds
3.	Personal Finance
4.	Private Debt and Private Equity
5.	MSME Financing
6.	Banking
7.	Insurance
8.	Investment Banking
9.	Mutual Funds
10.	Agency and Broking
11.	Management of Family Business
12.	BPO and KPO
13.	Digital Marketing
14.	Education Management
15.	Food Processing
16.	Health and Wellness Management
17.	Horticulture

18.	Hospitality Management
19.	Logistics and Supply Chain Management
20.	Technology Management
21.	Any other sector of Interest to the students with specific approval of the Institute

## References:

### Books

- 1) Shane, S. A. (2020). Entrepreneurship: The Essentials
- 2) Kuratko, D. F., & Morris, M. H. (2021). Entrepreneurship: Theory, Process, and Practice
- 3) Hisrich, R. D., Peters, M. P., & Shepherd, D. A. (2020). Entrepreneurship
- 4) Burns, P. (2021). Entrepreneurship and Small Business
- 5) Hitt, M. A., Ireland, R. D., & Hoskisson, R. E. (2020). Strategic Entrepreneurship: Creating a New Mindset
- 6) Zimmerer, T. W., Scarborough, N. M., & Wilson, D. L. (2021). Essentials of Entrepreneurship and Small Business Management
- 7) Katz, J. A. (2020). Entrepreneurial Small Business
- 8) Baron, R. A. (2019). Entrepreneurship: An Evidence-Based Guide
- 9) Thompson, J. L., & Strickland, A. J. (2020). Crafting & Executing Strategy: The Quest for Competitive Advantage: Concepts and Cases
- 10) Spinelli, S., Jr., & Adams, R. J. (2021). New Venture Creation: Entrepreneurship for the 21st Century

### Journals

- ✓ International Entrepreneurship and Management Journal  
(Electronic ISSN:1555-1938; Print ISSN: 1554-7191)
- ✓ The Journal of Entrepreneurship (Print - ISSN 0971-3557; Online: ISSN 0973-0745)

### Websites

- ✓ <https://www.entrepreneur.com/en-in>
- ✓ <https://wep.gov.in/>

### MOOC

- ✓ Entrepreneurship Management  
[https://onlinecourses.swayam2.ac.in/cec24\\_mg28/preview](https://onlinecourses.swayam2.ac.in/cec24_mg28/preview)



- ✓ Institutional Management for Entrepreneurship  
[https://onlinecourses.swayam2.ac.in/ntr24\\_ed62/preview](https://onlinecourses.swayam2.ac.in/ntr24_ed62/preview)
- ✓ Entrepreneurship <https://www.coursera.org/specializations/wharton-entrepreneurship>

SN	Courses, Modules and Outcomes	Course Contents	Cr
	<b>Semester IV</b>		
<b>PG 4.1</b>	<b>Taxation</b> <b>Major (Core) Theory</b>		<b>4</b>
	<b>Course Outcomes:</b>  <b>Learners will be able to:</b> <ul style="list-style-type: none"> <li>▪ Apply the concepts and the rules and regulations of taxation</li> <li>▪ Compute the income under different heads of income</li> <li>▪ Apply the statutory deductions applicable on Gross total income</li> <li>▪ Understand the structure of indirect taxation in India</li> <li>▪ Analyse the impact of taxation on financial and operating decisions of the company.</li> </ul>		
<b>Module 1</b>	<b>Introduction to Direct Taxation</b>		<b>1</b>
	<b>LOs:</b> Learners will be able to <ul style="list-style-type: none"> <li>• understand the basic concepts of taxation</li> <li>• understand the concept of residential status of assessor</li> </ul>	<b>Module Contents:</b> <ul style="list-style-type: none"> <li>• <b>Direct Taxation:</b> Scope of Income Tax Definitions / Concepts. (To the extent necessary to compute taxable income &amp; wealth).</li> <li>• Residential status and scope of income – Incidence of Taxation.</li> </ul>	
<b>Module 2</b>	<b>Heads of Income</b>		<b>1</b>
	<b>LOs:</b> Learners will be able to <ul style="list-style-type: none"> <li>• Understand different heads of income</li> <li>• compute income under different heads of income</li> </ul>	<b>Module Contents:</b> <ul style="list-style-type: none"> <li>• Heads of Income and computation there under: Salaries House property Business income Capital Gains including LTCG Other sources</li> </ul>	

<b>Module 3</b>	<b>Exclusions and Deductions</b>		<b>1</b>
	<b>LOs:</b> <ul style="list-style-type: none"> <li>• Understand exclusions from total income</li> <li>• Apply statutory deductions from Gross total income</li> </ul>	<b>Module Contents:</b> <ul style="list-style-type: none"> <li>• Exclusions from Total Income</li> <li>• Deduction from Gross Total Income</li> <li>• Impact of various direct taxes on Financial and Operational Decisions</li> </ul>	
<b>Module 4</b>	<b>Indirect Taxation</b>		<b>1</b>
	<b>LOs:</b> Learners will be able to <ul style="list-style-type: none"> <li>• Understand the Indirect Tax structure in India</li> </ul>	<b>Module Contents:</b> <ul style="list-style-type: none"> <li>• Indirect Taxation: Indirect tax structure in India – GST, CGST, SGST</li> <li>Impact of various indirect taxes on Financial and Operational Decisions.</li> <li>• FATCA of US (has implications on residents/non-residents having income from abroad).</li> </ul>	
<b>Assignments/ Activities towards CCE</b>			
	<ul style="list-style-type: none"> <li>• Assignment on computation of taxable income from salaries of individuals</li> <li>• Assignment on computation of taxable income from house property of individuals</li> <li>• Computation of taxable profit and gains from business and profession of individuals</li> <li>• MCQ Quizzes using LMS</li> </ul>		

### References:

#### Books

- 1) Taxmann's Students' Guide to Income Tax Including GST (AY 2024-25) by Dr. Vinod K Singhania and Dr. Monica Singhania
- 2) Taxation Law and Accounts including G.S.T. by Dr. H.C. Mehrotra and Dr. S.P. Goyal, Sahitya Bhawn Publications, 2023
- 3) Aina pure, Direct & Indirect Tax, MananPrakashan, 2017
- 4) Datey V.S., Indirect Taxes Law and Practice, Taxmann, 2013
- 5) Singhania.V.K, Singhania Monika, Students' Guide to Income Tax (including Service Tax/VAT), Taxmann, 2012

- 6) Strategic Corporate Tax Planning (Wiley Finance) by John E. Karayan , Charles W. Swenson, et al. 2002

### Journals

- ✓ World Tax Journals (ISSN: 2352-9237; Print ISSN: 1878-4917)
- ✓ Vision: Journal of Indian Taxation (Print ISSN: 2347-4475;e-ISSN: 2395-2571)

### Websites

- ✓ <https://www.taxmann.com/>
- ✓ <https://www.incometax.gov.in/iec/foportal/>

### MOOC

- ✓ Income Tax Law and Practice  
[https://onlinecourses.swayam2.ac.in/cec24\\_cm07/preview](https://onlinecourses.swayam2.ac.in/cec24_cm07/preview)
- ✓ Direct Tax Laws and Practice  
[https://onlinecourses.swayam2.ac.in/cec24\\_cm01/preview](https://onlinecourses.swayam2.ac.in/cec24_cm01/preview)
- ✓ Introduction to GST [https://onlinecourses.swayam2.ac.in/nou24\\_cm12/preview](https://onlinecourses.swayam2.ac.in/nou24_cm12/preview)

SN	Courses, Modules and Outcomes	Course Contents	Cr
	<b>Semester IV</b>		
<b>PG 4.2</b>	<b>International Finance</b> <b>Major (Core) Theory</b>		<b>4</b>
	<b>Course Outcomes: Learners will be able to:</b> <ul style="list-style-type: none"> <li>▪ Understand the foreign exchange market</li> <li>▪ Analyse the role of different international financial institutions</li> <li>▪ Understand the different export policies, promotion strategies, promotion measures and the role of different organisations to promote international trade finance</li> <li>▪ Understand and analyse the financial derivative instruments</li> </ul>		
<b>Module 1</b>	<b>International Financial Institutions and Markets</b>		<b>1</b>

	<p><b>LOs:</b> Learners will be able to</p> <ul style="list-style-type: none"> <li>• Understand the operations of the international financial markets</li> <li>• Understand and solve exchange rate mechanism, including currency derivatives</li> <li>• Understand and analyze the working of the International Financial Institutions</li> </ul>	<p><b>Module Contents:</b></p> <ul style="list-style-type: none"> <li>• Overview of International Financial Markets</li> <li>• Globalization, Multinational Firm, Capital Flows, International Financial Institutions – World Bank (WB) Groups and its associates</li> <li>• India’s Foreign Trade – Promotion and Control; India’s economy in global perspective; India’s External Debt; Export Promotion Strategy and Policy; Export Promotion measures, Commercial Policy, Non-Resident Investments and Accounts.</li> <li>• The Export Import Bank of India (EXIM) – Its functions, resources, organisation, management and current operations.</li> <li>• Export Credit Guarantee Corporation (ECGC) – Its functions, policy, management and current operations.</li> <li>• Payments Bank of BRICS</li> <li>• Financing of foreign trade; Types of credits, guarantees, bid bonds, etc., Mechanism of operations.</li> </ul>	
<b>Module 2</b>	<b>Balance of Payments and the Role of IMF and WTO</b>		<b>1</b>
	<p><b>LOs:</b> Learners will be able to</p> <ul style="list-style-type: none"> <li>• Understand and analyze the role played by IMF and WTO</li> <li>• Analyze and solve the Balance of Payments position with particular reference to India</li> </ul>	<p><b>Module Contents:</b></p> <ul style="list-style-type: none"> <li>• Role played by International Monetary Fund (IMF) and World Trade Organization</li> <li>• Balance of payments, Definition, Component of Balance of payments, Current Account, Balance of payments Models, Basic balance, Disequilibrium in Balance of payments. Measures to correct disequilibrium in Balance of payments.</li> </ul>	
<b>Module 3</b>	<b>International Capital Markets</b>		<b>1</b>
	<p><b>LOs:</b> Learners will be able to</p>	<p><b>Module Contents:</b></p>	

	<ul style="list-style-type: none"> <li>• Understand the international capital market and its financial instruments</li> </ul>	<ul style="list-style-type: none"> <li>• International Capital Markets instruments such as ADR, GDR, ECB, FCCB, FCEB, etc.</li> </ul>	
<b>Module 4</b>	<b>International trade, its terms and financial instruments</b>		<b>1</b>
	<p><b>LOs:</b> Learners will be able to</p> <ul style="list-style-type: none"> <li>• Understand and apply the various terms of international trade and its financial instruments</li> </ul>	<p><b>Module Contents:</b></p> <ul style="list-style-type: none"> <li>• Payments under trade contracts. Documentary credits. Types of credits. Important credit clauses. Procedure for establishing credits. Documents in foreign trade. Financial, Commercial, transport, insurance and other documents</li> <li>• Risk in International trade transactions;</li> <li>• Forward exchange rate, forward and spot exchange rates. Factors causing exchange rate-fluctuations</li> <li>• Currency futures and options</li> </ul>	
<b>Assignments/ Activities towards CCE</b>			
	<ul style="list-style-type: none"> <li>• Group discussion on role played by global financial institutions</li> <li>• Assignment on India's Balance of Payment position</li> <li>• Assignment on current trends in international financial markets</li> <li>• MCQ Quizzes using LMS</li> </ul>		

## References:

### Books

- 1) Apte, P. G, *International Financial Management*, Tata McGraw Hill, 2020
- 2) Rajwade A.V., *Cash and Derivatives Markets in Forex*, Tata McGraw Hill, 2017
- 3) Rajwade A.V., *Foreign Exchange, International Finance, Risk management*, Academy of Business Studies, 2014
- 4) Avadhani V.A., *International Financial Management*, Himalaya Publishing, 2016
- 5) Bekaert and Hodrick, *International Financial Management*, Prentice Hall, 2011
- 6) Madura, *International Corporate Finance*, South Western College, 2011
- 7) ThummulSiddaiah, *International Financial Management*, Pearson Education, 2012

### Journals

- ✓ Journal of International Finance and Economics (ISSN: 1555-6336, E-ISSN: 2378-864X)

- ✓ Journal of International Financial Markets, Institutions and Money (Print ISSN: 1042-4431; Online ISSN: 1873-0612)

### Websites

- ✓ <https://www.imf.org/en/Publications/fandd/issues/Series/Back-to-Basics/Financial-Markets>
- ✓ <https://www.gfma.org/>

### MOOC

- ✓ The Role of Global Capital Markets <https://www.coursera.org/learn/capital-markets>
- ✓ International Business Operations <https://www.coursera.org/learn/international-business-operations>

SN	Courses, Modules and Outcomes	Course Contents	Cr
	<b>Semester IV</b>		
<b>PG 4.3</b>	<b>Financial Derivatives</b> <b>Major (Core) Theory</b>		<b>4</b>
	<b>Course Outcomes: Learners will be able to:</b> <ul style="list-style-type: none"> <li>▪ Analyse risks in various financial products</li> <li>▪ Understand the importance of mitigation of risks</li> <li>▪ Use derivatives as a tool to hedge the risks involved in financial products</li> <li>▪ Apply valuation models for options and futures</li> <li>▪ Apply different trading strategies in the futures and options market.</li> </ul>		
<b>Module 1</b>	<b>Basics of Derivatives</b>		<b>1</b>
	<b>LOs:</b> Learners will be able to <ul style="list-style-type: none"> <li>• Understand the different risks involved in various financial products</li> <li>• Understand the basics of derivatives for risk mitigation</li> </ul>	<b>Module Contents:</b> <ul style="list-style-type: none"> <li>• Risk; Types of Risk; Risk Identification and Management; Risk Management and Financial Derivatives</li> <li>• Basics of Derivatives; Evolution of Derivatives Market; Types of Derivatives; Significance of Derivatives; Risk in Derivatives</li> </ul>	

		Market, Players in Derivatives Market; Indian Derivatives Market	
<b>Module 2</b>	<b>Forward and Futures Contracts</b>		1
	<p><b>LOs:</b> Learners will be able to</p> <ul style="list-style-type: none"> <li>• Use derivatives as a hedging tool to mitigate the risks involved</li> <li>• Understand forward contracts</li> <li>• Understand futures contract</li> <li>• Calculate price of futures contract</li> </ul>	<p><b>Module Contents:</b></p> <ul style="list-style-type: none"> <li>• Forward Contracts - Meaning, Valuation of Forward, Limitations of Forward markets</li> <li>• Futures Contracts - Significance of Futures Contract, Terms used in a Futures Contract, Difference between Forwards and Futures. Futures Payoff, Futures Pricing</li> <li>• Equity/Index Futures, Meaning of Index, Types of Index, Indices in India, Uses of Index Futures</li> </ul>	
<b>Module 3</b>	<b>Options</b>		1
	<p><b>LOs:</b> Learners will be able to</p> <ul style="list-style-type: none"> <li>• understand options contract</li> <li>• compute option pricing using option pricing models</li> </ul>	<p><b>Module Contents:</b></p> <ul style="list-style-type: none"> <li>• Options; Difference between Futures and Options; Types of Option Contracts; Options Terminology; Pay-off in options; Trading strategies; Option Valuation Strategies; Binomial Model; The Black and Scholes Model</li> </ul>	
<b>Module 4</b>	<b>Commodity, Currency and Credit Derivatives</b>		1
	<p><b>LOs:</b> Learners will be able to</p> <ul style="list-style-type: none"> <li>• Understand Commodity Derivatives</li> <li>• Understand Currency Derivatives, Credit derivatives and swaps</li> <li>• Appreciate the ethical issues while using financial derivatives</li> </ul>	<p><b>Module Contents:</b></p> <ul style="list-style-type: none"> <li>• Commodity Derivatives; Structure of commodity exchanges; Hedging using commodity futures; Currency Derivatives; Credit Derivatives; Swaps</li> <li>• Ethical Issues in Financial Derivatives</li> </ul>	
<b>Assignments/ Activities towards CCE</b>			
	<ul style="list-style-type: none"> <li>• Assignment on calculation of futures prices</li> <li>• Assignment on calculation of option prices</li> <li>• Project on calculation of risk</li> <li>• MCQ Quizzes using LMS</li> </ul>		

## References:

### Books

- 1) Ashwani Gujral, *How to Make Money Trading Derivatives: An Investor's Guide*, Vision Books, 2012
- 2) Gupta S. L., *Financial Derivatives: Theory, Concepts and Problems*, PHI Learning Pvt. Ltd., 2005
- 3) Hull, *Fundamentals of Futures and Options Markets*, Prentice Hall, 2013
- 4) Jayanth Rama Varma, *Derivatives and Risk Management*, Tata McGraw Hill, 2008
- 5) Kumar S. S. S., *Financial Derivatives*, PHI Learning, 2007
- 6) Nick Battley, *Introduction to Commodity Futures and Options*, McGraw Hill, 1995
- 7) Patwari D. C., *Options and Futures: Indian Perspective*, Jaico Publishing House, 2001
- 8) Somanathan T.V., *Derivatives*, Tata McGraw Hill, 1998
- 9) Sundaram Janakiramanan, *Derivatives and Risk Management*, Pearson Education, 2011
- 10) Waldron Richard, *An Introduction to Commodity Trading*, Squantum Publishing, 2011

### Journals

- ✓ The Journal of Derivatives (ISSN: 1074-1240, E-ISSN: 2168-8524)
- ✓ International Journal of Financial Markets and Derivatives (ISSN Print 1756-7130; Online 1756-7149)

### Websites

- ✓ <http://www.bseindia.com/>
- ✓ <https://www.financederivative.com/>
- ✓ <http://www.nseindia.com/>

### MOOC

- ✓ Financial Derivatives and Risk Management [https://onlinecourses.nptel.ac.in/noc24\\_mg19/preview](https://onlinecourses.nptel.ac.in/noc24_mg19/preview)
- ✓ Derivatives – Options and Futures <https://www.coursera.org/learn/derivatives-options-futures>

SN	Courses, Modules and Outcomes	Course Contents	Cr
	<b>Semester IV</b>		



<b>PG 4.4.1</b>	<b>Mergers, Acquisitions, Corporate Restructuring and Valuation</b>	<b>4</b>
	<b>Major (Elective) Theory</b>	
	<p><b>Course Outcomes: Learners will be able to:</b></p> <ul style="list-style-type: none"> <li>▪ Understand the legal and regulatory aspect of mergers and acquisitions</li> <li>▪ Differentiate mergers, acquisitions and takeovers</li> <li>▪ Get an overview of the corporate restructuring</li> <li>▪ Apply different methods to value tangible assets of a company</li> <li>▪ Understand the valuation and importance of intangibles in mergers and acquisitions</li> <li>▪ Identify common errors in valuation and analyse various reasons for failures in mergers in order to avoid failures in mergers and acquisitions</li> <li>▪ Equip themselves in taking efficient decisions regarding mergers</li> </ul>	
<b>Module 1</b>	<b>Introduction to Merger</b>	<b>1</b>
	<p><b>LOs:</b> Learners will be able to</p> <ul style="list-style-type: none"> <li>• Understand the concept of mergers and acquisitions</li> <li>• Understand the rationale and motivation of mergers</li> <li>• Differentiate the various types of mergers</li> <li>• Understand the process and legal aspects of mergers</li> <li>• Calculate costs and benefits of a merger</li> <li>• Calculate Exchange Ratio</li> </ul>	<p><b>Module Contents:</b></p> <ul style="list-style-type: none"> <li>• Mergers, Types of Mergers, Reasons for Merger, Advantages and Disadvantages of Mergers, Amalgamation in National Interest by Central Government</li> <li>• Legal Aspects of a Merger, Taxation Aspects, Costs and Benefits of a Merger, Cash and Stock Compensation, Commonly used bases for determining Exchange Ratio</li> </ul>
<b>Module 2</b>	<b>Acquisition</b>	<b>1</b>
	<p><b>LOs:</b> Learners will be able to</p> <ul style="list-style-type: none"> <li>• Understand the process of acquisitions</li> <li>• Differentiate direct and indirect acquisition</li> <li>• Comprehend SEBI Takeover Code</li> </ul>	<p><b>Module Contents:</b></p> <ul style="list-style-type: none"> <li>• Acquisition – Process and Managing of an Acquisition, Indirect Acquisition</li> <li>• Takeovers, Regulation of Takeovers, SEBI Takeover Code, Anti-takeover Defences, Hostile Takeovers</li> </ul>
<b>Module 3</b>	<b>Corporate Restructuring</b>	<b>1</b>

	<p><b>LOs:</b> Learners will be able to</p> <ul style="list-style-type: none"> <li>• Understand the different types of business alliances and their merits and demerits</li> </ul>	<p><b>Module Contents:</b></p> <ul style="list-style-type: none"> <li>• Business Alliances – Joint Ventures, Strategic Alliances, Licensing, Franchising Alliance, Rationale for Business Alliances</li> <li>• Divestitures, Demergers, Reverse Mergers, Equity Carve out, Leveraged buyout, Management Buyout</li> </ul>	
<b>Module 4</b>	<b>Valuation</b>		<b>1</b>
	<p><b>LOs:</b> Learners will be able to</p> <ul style="list-style-type: none"> <li>• Understand different valuation methods of tangibles and intangibles</li> <li>• Understand the reasons for failure in mergers and minimize errors during valuation of assets</li> </ul>	<p><b>Module Contents:</b></p> <ul style="list-style-type: none"> <li>• Valuation of the company in the process and after the merger – Valuation Methods – Valuation of Goodwill – Valuation of Brands – Valuation of Human Resources - The impact of Mergers on the performance of the company: market capitalization, book value, earnings per share, economic value added.</li> <li>• Integration of companies in mergers and acquisitions. Compatibility issues of production, financial, organizational structure, personnel, organizational culture. The reasons for failures of mergers and acquisitions</li> </ul>	
<b>Assignments/ Activities towards CCE</b>			
	<ul style="list-style-type: none"> <li>• Assignment on computing Swap Ratios/Exchange Ratios of merged entities</li> <li>• Assignment on valuation of merged entity</li> <li>• Project on Business Alliances</li> <li>• Quizzes using LMS</li> </ul>		

## References:

### Books

- 1) Taxmann's Mergers, Acquisitions and Corporate Restructuring, 2023
- 2) Aswath Damodaran, *Investment Valuation*, Wiley Finance, 2012
- 3) Barbara Petit and Kenneth Ferris, *Valuation for Mergers and Acquisitions*, Pearson, 2013

- 4) Jay M Desai, Nisarg A Joshi, *Mergers and Acquisitions*, Dreamtech Press, 2012
- 5) Rajinder S Aurora, Kavita Shetty, Sharad Kale, *Mergers and Acquisitions*, Oxford University Press, 2011
- 6) Mark Thomas, *Mergers and Acquisitions: Confronting the Organisation and People Issues*, Viva Books, 2009
- 7) Patrick A. Gaughan, *Mergers, Acquisitions, and Corporate Restructurings*, 2010
- 8) Rajesh Kumar. B, *Mergers and Acquisitions - Text and Cases*, Tata McGraw - Hill Education, 2011
- 9) Tim Koller, Marc Goedhart, David Wessels, *Valuation: Measuring and Managing the Value of Companies*, John Wiley and Sons, 2010

### Journals

- ✓ Journal of Corporate Finance (Print ISSN: 0929-1199; Online ISSN: 1872-6313)
- ✓ Journal of Financial Economics (Print ISSN: 0304-405X; Online ISSN: 1879-2774)

### Websites

- ✓ <https://mergersandinquisitions.com/>
- ✓ <https://mnacritique.mergersindia.com/>
- ✓ <https://www.ft.com/mergers-acquisitions>

### MOOC

- ✓ Mergers and Acquisitions  
<https://www.coursera.org/specializations/mergersandacquisitions>
- ✓ Mergers, Acquisitions and Corporate Restructuring  
[https://onlinecourses.nptel.ac.in/noc24\\_mg39/preview](https://onlinecourses.nptel.ac.in/noc24_mg39/preview)

SN	Courses, Modules and Outcomes	Course Contents	Cr
	<b>Semester III</b>		
<b>PG 4.4.2</b>	<b>Project Appraisal and Finance</b> <b>Major (Elective) Theory</b>		<b>4</b>

	<p><b>Course Outcomes:</b></p> <p><b>Learners will be able to:</b></p> <ul style="list-style-type: none"> <li>▪ Identify project opportunities</li> <li>▪ Understand the life cycle of a project</li> <li>▪ Value projects from return and risk perspectives</li> <li>▪ Apply techniques for implementation and review of projects</li> <li>▪ Manage project risks</li> <li>▪ Compare financing alternatives to make efficient decisions with respect to raising finance</li> </ul>		
<b>Module 1</b>	<b>Project Planning</b>		1
	<p><b>LOs:</b> Learners will be able to</p> <p>This course will enable the student to</p> <ul style="list-style-type: none"> <li>• Identify project opportunities for investment</li> <li>• Understand the project life cycle</li> </ul>	<p><b>Module Contents:</b></p> <ul style="list-style-type: none"> <li>• Project Planning - Identification of Project opportunities for investment – Analysis of industry - Review of project profiles – Feasibility Study - Project appraisal parameters, Project Life Cycle.</li> </ul>	
<b>Module 2</b>	<b>Project Valuation</b>		1
	<p><b>LOs:</b> Learners will be able to</p> <ul style="list-style-type: none"> <li>• Value different projects using different methods</li> <li>• Assess project risk</li> </ul>	<p><b>Module Contents:</b></p> <ul style="list-style-type: none"> <li>• Valuing Projects - Various Techniques of evaluating commercial, Government and social projects. DCF and non-DCF methods – sensitivity analysis</li> <li>• Project risk assessment – probabilistic cash flow approaches – application of simulation techniques</li> </ul>	
<b>Module 3</b>	<b>Project Management</b>		1
	<p><b>LOs:</b></p> <ul style="list-style-type: none"> <li>• Understand project negotiation</li> <li>• Apply various techniques in management of projects</li> <li>• Understand the nature of international projects</li> </ul>	<p><b>Module Contents:</b></p> <ul style="list-style-type: none"> <li>• Project Negotiation – Project Management, Implementation and Review including CPM, PERT, WBS techniques</li> <li>• Brief study on International Projects</li> </ul>	

<b>Module 4</b>	<b>Project Financing</b>	1
	<b>LOs:</b> Learners will be able to <ul style="list-style-type: none"> <li>• Understand the structure of project financing</li> <li>• Analyse various financing alternatives</li> </ul>	<b>Module Contents:</b> <ul style="list-style-type: none"> <li>• Overview and Structure of Project Financing -Managing Project Risks, Financing Projects</li> <li>• Financial Structuring – Financing alternatives</li> </ul>
<b>Assignments/ Activities towards CCE</b>		
	<ul style="list-style-type: none"> <li>• Assignment on Appraisal of Projects</li> <li>• Assignment on International Projects</li> <li>• MCQ Quizzes using LMS</li> </ul>	

### References:

#### Books

- 1) Rashmi Agarwal and Yogieta Mehra, Project Appraisal and Management, Taxmann. 2021
- 2) Nagarajan K, Project Management, New Age International Publishers, 2017
- 3) Ambrish Gupta, Project Appraisal and Financing, Prentice Hall of India, 2017
- 4) Prasanna Chandra, Projects: Planning, Analysis, Selection, Financing, Implementation and Review, McGraw Hill Education, 2017
- 5) Harvey Maylor, Project Management, Pearson, 2017

#### Journals

- ✓ The Journal of Project Finance (Online ISSN 1082-3220)
- ✓ Journal of Project Management (Online ISSN 2371-8374, Print ISSN 2371-8366)

#### Websites

- ✓ <https://www.sciencedirect.com/journal/international-journal-of-project-management>
- ✓ <https://www.apm.org.uk/about-us/international-journal-of-project-management-ijpm/>

#### MOOC

- Project Management for Managers
- ✓ [https://onlinecourses.nptel.ac.in/noc24\\_mg116/preview](https://onlinecourses.nptel.ac.in/noc24_mg116/preview)
- Project Management
- ✓ [https://onlinecourses.nptel.ac.in/noc24\\_mg78/preview](https://onlinecourses.nptel.ac.in/noc24_mg78/preview)

#### **4.5 Research Project (Year Long Project)**

**Marks: 150 (100 marks Internal Evaluation and 50 marks External Evaluation)**

**Credits: 6**

#### **Learning Outcome:**

The Project will enable the student to

- critically review literature related to the topic of research
- demonstrate the capability of conducting research
- apply relevant tools to analyze data and interpret the results
- document the research work following well accepted norms for presenting research

#### **Evaluation:**

**Continuous Internal Evaluation: 100 Marks**

**Semester End Evaluation: 50 Marks**