

PONDICHERRY UNIVERSITY
DEPARTMENT OF COMMERCE
SCHOOL OF MANAGEMENT



REGULATIONS AND SYLLABUS
FOR

M. COM (ACCOUNTING & TAXATION)
(CBCS) DEGREE PROGRAMME

[FOR THE YEAR 2021-22 ONWARDS]

DEPARTMENT OF COMMERCE, PONDICHERRY UNIVERSITY
SCHOOL OF MANAGEMENT
M. COM (ACCOUNTING & TAXATION) (CBCS) DEGREE PROGRAMME
LIST OF COURSES OFFERED
(APPLICABLE FROM THE ACADEMIC YEAR 2021-22 ONWARDS)

Semester	Course Code	Title of the Paper	Hard/Soft	Credit
I	COMM4101	Public Finance	H	4
	COMM4102	Income Tax Law and Practice	H	4
	COMM4103	International Financial Reporting Standard	H	4
	COMM4104	Financial Management	H	4
	SCOM	Soft Core	S	3
		Soft Core	S	3
		Soft Core	S	3
Soft Core		S	3	
II	COMM4201	Decisions Accounting	H	4
	COMM4202	Advanced Corporate Accounting	H	4
	COMM4103	Advanced Auditing	H	4
	COMM4204	GST and Customs Law	H	4
	SCOM	Soft Core	S	3
		Soft Core	S	3
		Soft Core	S	3
Soft Core		S	3	
III	COMM5101	Accounting Theory	H	4
	COMM5102	Financial Statement Analysis	H	4
	COMM5103	Personal Tax Planning	H	4
	COMM5104	Strategic Cost Management	H	4
	SCOM	Soft Core	S	3
		Soft Core	S	3
		Soft Core	S	3
Soft Core		S	3	
IV	COMM5201	Computerized Accounting	H	4
	COMM5202	Accounting for Derivatives	H	4
	COMM5203	International Taxation	H	4
	SCOM	Soft Core	S	3
		Soft Core	S	3
		Soft Core	S	3
		Soft Core	S	3

POOL OF SOFT CORE COURSES

(APPLICABLE FROM THE ACADEMIC YEAR 2021-22 ONWARDS)

- (a) The Department of Commerce would offer courses from the pool of soft core courses to both BF and AT students depending upon the need of students and availability of professors.
- (b) Students who have done hard core course in any subject is not eligible to take soft core course in the same subject.
- (c) Students are free to take any number of soft courses from other departments; need not depend upon the department.
- (d) Minimum 20 and maximum 60 students are permitted for each soft core course
- (e) Selection of students for a particular soft core course is to be made based on the merit list prepared from the eligibility test when more than 60 prefers to join.

Course Code	Title of the Paper	Soft/ Hard	Credit
Management and Decision			
SCOM01	Managerial Economics	S	3
SCOM02	Marketing Strategy	S	3
SCOM03	Human Resource Management	S	3
SCOM04	Strategic Management	S	3
SCOM05	Family Business Management	S	3
SCOM06	Direct and Indirect Tax Administration	S	3
SCOM07	Corporate Tax Planning and Management	S	3
Decision Tools and Techniques			
SCOM08	Machine Learning for Financial Decisions	S	3
SCOM09	Business Analytics for Decision Making	S	3
SCOM10	Principles of Artificial Intelligence	S	3
SCOM11	Computer applications in Business	S	3
SCOM12	Research Methodology	S	3
SCOM13	Statistics for Business Decisions	S	3
SCOM14	Operations Research	S	3
SCOM15	Financial Mathematics	S	3
Investment and Risk Management			
SCOM16	Stock and Forex Trading Lab	S	3
SCOM17	Commodity derivatives markets & applications	S	3
SCOM18	Investment Valuation	S	3
SCOM19	Financial Risk Management	S	3
SCOM20	Forensic Accounting and Fraud Risk Management	S	3
SCOM21	Personal Finance	S	3
SCOM22	Equity Derivatives (For students from AT and Other Departments)		
Finance and Accounting			
SCOM23	Merchant Banking and Financial Services	S	3
SCOM24	Corporate Governance	S	3
SCOM25	Strategic Financial Management	S	3

SCOM26	Multinational Financial Management		
SCOM27	Fund Management in Commercial Banks		
SCOM28	Entrepreneurship	S	3
SCOM29	International Accounting		
General			
SCOM32	Value added courses (Only up to III Semester)	S	3
SCOM33	Project / Internship and Viva	S	3
SCOM 34	Contemporary Legal Framework	S	#
	Softcore courses from Other Departments	S	3

**M.COM (ACCOUNTING AND TAXATION) DEGREE PROGRAMME
REGULATIONS
EFFECTIVE FROM THE ACADEMIC YEAR 2021-22 BATCH ONWARDS**

AIM OF THE COURSE: The course aims at specializing in specific areas of core competence of Commerce studies i.e. Accounting and Taxation. This is an area where commerce students have edge over others. It is designed to impart in depth knowledge and professional skills required for handling the Accounts and Taxation related activities of business entities and corporate enterprises.

ELIGIBILITY OF ADMISSION: Any B.Com degree with minimum of 50% marks.

DURATION OF THE COURSE: The normal duration of the course is two years spread over four semesters. The student has to earn minimum 72 credits to complete the course.

MEDIUM: The Medium of instruction shall be English

COURSE STRUCTURE: The Course Structure comprises of Hard Core (60 Credits) and Soft Core (Minimum 12 Credits). A student is required to earn at least 72 credits to complete the course.

EXAMINATION: Choice Based Credit System (CBCS) is followed in the department. The performance evaluation is based on grading. Grades are awarded at the end of each semester. The final Cumulative Grade Point Average is calculated based on the Grades obtained during the semester exams with the appropriate weightage based in respect of credits.

DISTRIBUTION OF MARKS BETWEEN INTERNAL AND END SEMESTER EXAMINATION:

Internal Assessment - 40 marks **End Semester Examination** – 60 marks

Internal Assessment: Internal Assessment is continuous and comprises of 40 marks. The assessment is based on:

- i. Internal Test 1 : 15 Marks
- ii. Internal Test 2 : 15 Marks
- iii. Assignment, seminar, quiz etc. : 10 Marks

(The respective teacher can decide on the distribution of marks between seminar, assignment, quiz etc., out of 10 marks)

End Semester Examinations: The end semester examinations will be held for 100 Marks and converted to 60 marks, consisting of Theory, problems and practical depending upon the papers taught and question paper is set and valued by the concerned course teacher himself or herself. After declaration of results within seven days, students can approach the concerned course teacher and inspect the papers valuation. In case if any student is not satisfied with the valuation, they can apply to head of the Department after paying the

prescribed fees for revaluation. The head of the department would follow the University regulation for revaluation.

MARKS FOR INTERNSHIP AND VIVA: The students are expected to undertake either internship or research project (may be primary or secondary source based) in any one of the areas of Finance, Accounting, Taxation at the end of II semester during summer vacation for 45 days. Report is to be submitted in the third semester, which will be evaluated along with the III Semester examination. Two presentations each carrying 20 marks as part of internal 40 marks; have to be done during the third semester before all the faculty of the department. Student can submit the final report only when there is a satisfactory progress; if any student fails to make presentations, he or she will not be allowed to submit the project report. The project evaluation and viva constitute the rest 60 marks, which will be evaluated in the III end semester examination by both internal and external examiners.

PASSING CONDITION: The students should have a minimum of 40% marks in the End Semester Examination and a minimum of 50% marks in the internal and external put together to pass the examination. There are no minimum pass marks in internals assessment examination.

The failed and absentees of end semester examinations get a chance to write the examination in the semester when the paper is offered not before. Those who are not allowed to attend the examination due to shortage of attendance have to repeat the same course after completing the two years.

END SEMESTER EXAMINATIONS QUESTION PAPER PATTERN

Time: 3 Hours

Maximum Marks: 100

PART – A

(5 X 4 = 20 marks) - Answer All Questions.

Objective:

- To test the conceptual understanding and subject Knowledge of students.

Rules:

- Questions should be from all Units of syllabus.
- Reproduction of words from syllabus in question should be avoided
- Both problems and theory questions can be asked.

PART-B

(5 X 12 = 60 marks) –EITHER OR type of questions.

Objective:

- To test the capability of application of concepts understood or knowledge acquired;

Rules:

- It is EITHER OR type of questions.
- Answers to these questions should be from independent thinking of students (there should not be any text book answers.
- Each Unit should have two questions in EITHER OR type; both questions are expected to be application of concepts learned by students.
- Direct Problems should not be asked in case of quantitative papers; application of concepts

are to be asked (For example: i) Ratio analysis; students should be asked to write report to be submitted to Management on the financial performance through the calculated ratios; ii) Statistical Techniques: Students may be asked to use the calculated mean, standard deviation, probability for taking business decisions.)

PART – C

(1 X 20 = 20 Marks)- Case Study/Computer Based Practical/Skill Based Question

Objective:

- To test the skill of students to interpret or use computer in solving problems.

Rule:

- In case of quantitative papers, students can be asked to solve the problems through computer (For example; Income Tax paper: question can be given to prepare online ITR in computer; in case of Portfolio Management: question can be given to form a portfolio through various online resources available.)
- In case of theory papers, students can be given live cases from current economic/stock market/financial/accounting situations

MAXIMUM NUMBER OF YEARS PERMITTED AFTER COMPLETION OF SEMESTER IV TO COMPLETE THE COURSE:

Two years under CBCS regulation.

GUIDELINES TO DEAL WITH ATTENDANCE SHORTAGE: The Students are permitted to proceed to the next semesters without break. Under this scheme, the students should repeat papers of the semester in which attendance shortage occurred whenever the paper is offered after completion of IV semesters. The minimum attendance requirement is 70% in each semester to recommend the student for writing the end semester examinations.

ODD SEMESTER

FIRST SEMESTER

COMM4101: PUBLIC FINANCE

Hard Core

4 Credits

Prerequisites	Basic knowledge on economics and RBI policies
Learning Objectives	To impart the knowledge on the key areas in public finance like resource mobilization, public expenditure policy for the good governance.
Learning Outcomes	Interdependence of fiscal and monetary policy
	Understanding various resource mobilization techniques
	Role of taxation and public policy
	Management and control of public expenditure
Methodology	Teaching with visual aids
	Assignments and Tests
	Quiz sessions and Case Discussion
Unit I	Introduction
	Meaning and definition of Public finance – objectives of fiscal policy – full employment anti-inflation, economic growth, redistribution of income and wealth: interdependence of fiscal and monetary policies: Budgetary deficits and its implications: Fiscal policy for stabilization- automatic VS discretionary stabilization: Alternative measures of resource mobilization and their impact on growth, distribution and prices; Balanced budget multiplier.
Unit II	Public Resources Mobilization
	Economics of Taxation. Taxation of income and wealth. Taxation of consumption and trade. Taxation and the environment - taxation and Natural Resources. Tax Incentives, compliance, and enforcement- Tax reform. User Charges.
Unit III	Rationale for Public Policy
	Demand revealing schemes for public goods contributions of Clarks, Groves and Leyard, Tiebout model, theory of club goods; stabilization policy- Keynesian case for stabilization policy; Uncertainty and expectations; failure of /inter-temporal markets; liquidity preference; Social goals; poverty alleviation; provision of infrastructural facilities, removing distributional inequalities and regional imbalances.
Unit IV	Taxation and public Debt
	Tradeoff between equity and efficiency in taxation; theory of measurement of dead weight losses; the problem of Double Taxation. Classical view of Public Debt; Compensatory aspect of Debt policy; Burden of Public Debt; Sources of Public Debt
Unit V	Public Expenditure Policy
	Public Goods and Private Goods. Public choice in determining the level of public expenditure - public sector production and provision, Government Failure, and private sector participation-Public- Private Partnerships in production and provision. Government social protection policies. Assessment of public sector expenditure, efficiency and effectiveness.
Reference Books	Musgrave, R.A. and P.B.Musgrave- Public Finance in theory and practice, McGraw Hill, Tokyo.

	Goode, R. Government Finance in Developing Countries, Brookings Institution Press.
	Herber, B.P. –Modern Public Finance, Silver Arch Books.
	Stiglitz, J.E- Economics of the Public Sector, W. W. Northern & Company.
	Atkinson, A and Stiglitz, J. Lectures in Public Economics, McGraw Hill
	Musgrave, R.A. and P.B.Musgrave- Public Finance in theory and practice, McGraw Hill, Tokyo.
Open Resources	<ol style="list-style-type: none"> 1. https://www.rbi.org.in 2. www.indiabudget.gov.in 3. www.oecd.org 4. https://dea.gov.in
Tools and Softwares	

COMM4102: INCOME TAX LAW AND PRACTICE

Hard Core

4 Credits

Prerequisites	Basic provisions of Income Tax Law
Learning Objectives	To create the capacity of the stakeholder to manage various tax issues for their practical Life and help them to undertake advisory positions in any organization.
Learning Outcomes	Computation income
	Assessment of Tax Liabilities
	Basic provisions of International Taxation
Methodology	Teaching with visual aids
	Assignments and Tests
	Quiz sessions and Case Discussion
Unit I	Concept of Income Tax
	Concept of Income. Residential Status of the Individual, HUF, AOP, Firm & Company- Relationship between Residential Status and Taxable Income- Exempted Incomes. Direct Tax Reforms.
Unit II	Computation of Gross Total Income
	Heads of Income, Computation of total income, Deductions, set off and carry forward of losses.
Unit III	Computation of Tax Liability
	Tax Liability of Individuals. Tax Liability of Hindu Undivided Family. Tax Liability of Partnership Firms and Companies. Relief and Rebate
Unit IV	Tax Authorities and Assessment
	Income Tax Authorities. Kinds of Assessment. Income Tax Authorities - Powers of the Central Board of Direct Taxes (CBDT), Commissioners of Income Tax and Income Tax officers. Assessment Procedures-Self Assessment - Best Judgement Assessment - Income Escaping Assessment (Re assessment) -Advance Payment of Tax - Meaning and Due dates. Penalties. Settlement Procedures.
Unit V	e-filing & Submission of Returns
	Types of Return. Filing & filing of Return. e-filing - Concept - Procedure - 26AS - TDS - Traces - Filing of Return - Various Returns-Permanent Account Number (PAN) - Usage of PAN - Concept of Transfer Pricing -Fundamentals.
Reference Books	V.K. Singhania and Kapil Singhania , Direct Tax Law and Practice Taxmann Publication, 64 th Edition 2021
	H.C. Mehrotra and S.P. Gopyal Income Tax Law and Accounts, Sahitya Bhawan Publications 42th editions 2021
	Gaur and Narang Income Tax law and practices Kalyani Publication 43th edition 2021
	Bhagawati Prasad direct tax law and Practice WishwaPrakashan 17th edition 2018

	Direct Tax Code Bill 2010 Taxmann Publication 2010
Open Resources	www.incometaxindia.gov.in
Tools and Softwares	

COMM4103: INTERNATIONAL FINANCIAL REPORTING STANDARDS
Hard Core **4 Credits**

Prerequisites	Expertise on Indian and International Accounting Standards
Learning Objectives	To expose students to the prevailing International Accounting and reporting Systems and to increase the employability of students in MNCs.
Learning Outcomes	Reporting of accounting information in line with the International Accounting Standard
	Computations of Accounting informations
	Harmonization of standards
Methodology	Teaching with visual aids
	Assignments and Tests
	Quiz sessions and Case Discussion
Unit I	International Accounting
	Introduction, Differences in Accounting Practices, Concept of Harmonization, Need for Standardization. IFRS: US GAAP and Indian AS including IND AS. Recent development in reporting: XBRL and Integrated reporting. IFRS and Taxation. Status of International Accounting Education, The Accounting Profession in Selected Countries.
Unit II	International Accounting Standards Board
	History and Development of the IASB. Functions of IASB, Research and Standard setting, Implementation, Members of IASB. Funding of IASB. International Accounting Standards Board vs Financial Accounting Standards Board.
Unit III	Elements of financial statements
	Share-based Payment. Business Combinations. Insurance Contracts. Non-current Assets Held for Sale and Discontinued Operations. Exploration for and Evaluation of Mineral Resources.
Unit IV	Presentation of external reports for combined entities, associates and joint arrangements
	Financial Instruments Disclosures. Operating Segments. Financial Instruments. Consolidated Financial Statements. Joint Arrangements, Disclosure of Interests in Other Entities.
Unit V	Presentation of accounts and additional disclosures
	Fair Value Measurement, Regulatory Deferral Accounts, and revenue from Contracts with Customers. Leases. Insurance Contracts. IFRS Practices by Indian and Multi-National Companies.
Reference Books	Mohapatra Das.A.K. International Accounting, Prentic Hall of India, New Delhi.
	Rathore, Shirin, International accounting, PHI learning, New Delhi.
	Peter Walton, International Accounting, International Thomson Business press.

	Saudagaran, Shahorkh.M, International accounting a user perspective- Cengage learning India Pvt. Ltd, New Delhi.
	Nobes Christopher & Parker Robert. Comparative international accounting - Research Education Asia, New Delhi
Open Resources	https://www.ifrs.org/
Tools and Softwares	

COMM4104: FINANCIAL MANAGEMENT

Hard Core

4 Credits

Prerequisites	Basic knowledge on the finance function and financial decisions
Learning Objectives	It is to provide an insight into the broad framework of Financial Management. It also attempts to impart the skills necessary for making financial decisions
Learning Outcomes	Can make various finance decisions like investment, capital structure, dividend etc.,
	Understand the objectives of the firm
Methodology	Teaching with visual aids
	Assignments and Tests
	Quiz sessions and Case Discussion
Unit I	Overview
	Functions of financial manager – Profit Maximization – Wealth Maximization – financial health maximisation – Finance Function. Time Value of Money – Future Value – Present Value - Single flow -Annuity Flow- Multiple compounding periods – Doubling Period – Sinking Fund Factor etc. – risk return trade off.
Unit II	Investment Decision
	Traditional and Discounted cash flow Techniques - Risk Analysis in Investment Decision. Concept of Cost of Capital – Components cost and overall Cost of capital – Cost of Debt – redeemable and irredeemable – Cost of Preference – Cost of Equity – Internal and External– Weighted Average Cost of Capital – Book Value – Market Value Weights
Unit III	Capital Structure Decision
	Sources of Finance – debt – Equity – Preference – Leverage – Operating leverage – Financial Leverage – Combined Leverage – Theories – Net Income Approach – Net Operating Income Approach – MM Approach – Traditional Approach – Practical - Determinants of capital structure.
Unit IV	Working Capital Management
	Overall Considerations – Duration of Operating Cycle – Investment in Current Assets – Management of Individual Components – Cash Management – Receivables Management – Inventory Management – Current Asset Financing.
Unit V	Dividend Decision
	Theories – Modigliani and Miller Approach – Walter Model – Gordon Model – Dividend Policy and Share Valuation – Stock Splits – Bonus Shares – Practical Aspects of Dividend Policy – Corporate Dividend Behavior
Reference Books	James C.Van Horne ,Financial Management &Policy, Prentice Hall of India, New Delhi, Latest Edition
	Eugene H Brigham, Fundamentals of Financial Management, Dryden Press, New York, Latest Edition

	Pandey. I.M, Financial Management, Vikas Publishing House, New Delhi, Latest Edition
	Khan M.Y& Jain P.K. Financial Management, Tata McGraw Hill, New Delhi Latest Edition
	Prasanna Chandra, Financial Management Theory & Practice, Tata McGraw Hill Latest Edition
Open Resources	
Tools and Softwares	Basic finance function in Excel

EVEN SEMESTER
SECOND SEMESTER

COMM4201: DECISIONS ACCOUNTING

Hard Core

4 Credits

Prerequisites	Basic knowledge on Financial, Cost and Management accounting
Learning Objectives	To gain acquaintance with the principles of financial, Cost & Management Accounting
	To enable the students to take decisions using management accounting tools.
Learning Outcomes	Recall the importance of Management accounting and Imbibe critical thinking skills to analyze financial statements.
	Understanding the Budget & budgetary control and Standard costing techniques to achieve a desired cost objective.
	Understand the job ,contract and Process costing procedures and to build knowledge on new costing techniques for effective cost management
	Analyze Cost-volume-Profit techniques to determine Optimal managerial decisions like make or buy decisions, shut down or continue.
Methodology	Teaching with visual aids
	Assignments and Tests
	Quiz sessions and Case Discussion
Unit I	Mechanics of Financial Accounting
	Financial Statements, Financial Accounting Regulations, CashFlow Statements; Ratio Analysis.
Unit II	Financial Health Analysis
	Assessing Financial Health, Asset Management, Cost Management, Leverage Management, Risk Management and Bench-marking.
Unit III	Product Costing
	Methods of Product Costing, Job Costing, Customer Costing, Process Costing, Indirect Cost and Allocation, Misallocation of indirect Cost; Activity based costing.
Unit IV	Cost Analysis for Decision Making
	Absorption Vs. Marginal Costing, Behaviour of costs, Break Even Analysis, BEP in Multi-Product Environment, Pricing Decision, Make or Buy Decision, Discontinuing product or closing of divisions, Optimal Product Mix, Operating Leverage.
Unit V	Budgeting and Variance Analysis
	Strategic Planning and Budgets, Budgeting Process, Preparation of Master Budget, Setting Standards, Variance Analysis: General Framework, Fixed and Variable Overhead Variance, Material Mix Variance, Sales and Sales Mix Variance and Investigating Variance.
Reference Books	S.N. Maheswari, Management Accounts, Sultan Chand & Sons, New Delhi
	Jain S. P and K.L. Narang : K.L: Advanced Costing, Kalyani Publishers Ludhiana 2009
	M.Y.Khan and P.K. Jain: Cost Accounting, Tata McGraw Hill Co., New Delhi 2009

	R.L. Gupta and Others: Advanced Accountancy, Sultan Chand Sons, New Delhi.
	Charles T. Horagren: Cost Accounting: A Managerial Emphasis Pearson Prentice Hall, New Delhi 2009.
Open Resources	
Tools and Softwares	

COMM4202: ADVANCED CORPORATE ACCOUNTING

Hard Core

4 Credits

Prerequisites	Basic knowledge on corporate accounting
Learning Objectives	To enable the students to understand and apply accounting procedure relating to Joint Stock Companies and Public utility undertakings.
Learning Outcomes	Computations of Goodwill and shares
	Making decisions on Amalgamation, absorption and reconstructions
	Calculations and reporting of income and balance sheets of holding and subsidiary companies
Methodology	Teaching with visual aids
	Assignments and Tests
	Quiz sessions and Case Discussion
Unit I	Valuation of Goodwill
	Factors affecting value of Goodwill – Need for valuation Methods of valuation of Goodwill – Valuation of Shares – Need for valuation – Methods of valuation of preference shares and Equity shares
Unit II	Amalgamation, Absorption and External reconstruction of companies
	Purchase consideration – Accounting treatment – Books of Purchasing company – Books of Vendor company – Intercompany Owings – Intercompany unrealized profit – Intercompany Holdings – Acquisition of Business
Unit III	Alteration of share capital and Internal Re-Construction
	Scheme of capital reduction – steps for Reconstruction –Liquidation of companies – Order of payment – Statement of Affairs and Deficiency/Surplus Account –Liquidator’s Final Statement of Account.
Unit IV	Holding Company Accounts
	Preparation of consolidated Balance Sheet – Minority interest – Cost of control – capital resolve – Intercompany Balance-Unrealized Inter Company Profits – More than one subsidiary –Intercompany Holdings – Consolidation of Profit and loss Account.
Unit V	Double Account system
	Features of Double Account system-Difference between single account system and double account system – Receipts and Expenditure on capital Accounts – Revenue Account – Net Revenue Account – General Balance Sheet – Replacement of an asset – Accounts of Electricity companies – Special financial provisions relating to electricity companies.
Reference Books	S.P. Jain and K.L. Narang: Advanced Accounting, Kalyani Publishers, New Delhi.
	R.S.N. Pillai, Bagavathi, S. Uma: Advanced Accounting, S. Chand & Co., New Delhi.
	M.C. Shukla: Advanced Accounts, S. Chand & co., New Delhi
	Mukherjee and M. haneef: Modern Accountancy, Tata McGraw Hill, New Delhi
	B.K. Banerjee: Financial Accounting, PHI Learning (P) Ltd., New Delhi.

Open Resources	https://www.icsi.edu
Tools and Softwares	

COMM4203: ADVANCED AUDITING

Hard Core

4 Credits

Prerequisites	Basic knowledge on Auditing
Learning Objectives	To acquire the ability to analyse current auditing practices. procedures and application of the same in auditing engagements
Learning Outcomes	Planning and execution of audit
	Implementation procedures of audit and forensic audit
	Understanding the audit regulations
Methodology	Teaching with visual aids
	Assignments and Tests
	Quiz sessions and Case Discussion
Unit I	Auditing Standards, Planning and execution: Engagement & Quality Control Standards, Statements and Guidance Notes on Auditing issued by the ICAI; Planning the Flow of Audit Work; Analytical Procedures Prior to Audit as well as towards finalization; Auditor's Expert – Meaning, Need and Agreement with the Auditor's Expert, Adequacy of the Auditor's Expert's Work.
	Audit of Limited Company, LLP and Public Sector Application of Relevant Provisions under Companies Act, 2013; Special Features of Audit of Limited Liability Partnerships (LLPs). Audit Report under the Companies Act, 2013: opinion, types of Audit and Reporting under CARO; Audit Committee and Corporate Governance: Role of Auditor and Certification of Compliance of Corporate Governance; Compliances with Laws and Regulations; Disclosure requirements. Audit of Consolidated Financial Statements. Audit of public Sector undertakings: special features, director of Comptroller and Auditor General of India.
Unit III	Audit Regulation Special Features of Audit of Banks, Insurance & Non-Banking Financial Companies; Audit under Fiscal Laws: Audit under Fiscal Laws, viz, Direct and Indirect Tax Laws including Documentation for Form 3CD etc. Liabilities of Auditors: Professional Negligence; Civil Liabilities; Criminal Liabilities; Liabilities under Different Statutes; Internal Audit, Management and Operational Audit.
	Due Diligence, Investigation and Forensic Audit Due Diligence Review; Audit versus Investigation; Steps for Investigation; Types of Investigation; Procedure, Powers, etc. of Investigator; Types of Fraud, Indicators of Fraud, Follow-up thereof; Forensic Audit- meaning, difference between Statutory Audit and Forensic Audit, Forensic Audit Techniques, Forensic Audit Report etc.
Unit V	Peer Review, Quality Review and professional ethics Meaning, importance and techniques of peer review and quality review; Professional Ethics: Code of Ethics with special reference to the relevant provisions of the Chartered Accountants Act, 1949 and the Regulations thereunder.

Reference Books	CA. Surbhi Bansal, Advanced Auditing & Professional Ethics, Bestword Publication Pvt Ltd.
	Tandon B.N, Sudharsanam S, A Hand Book of Practical Auditing, S. Chand Publishing.
	Aruna Jha, Auditing, 7th Edition, Taxmann Publications Pvt Ltd, New Delhi.
	Anil Kumar, Lovleen Gupta, Jyotsna Rajan Arora, Auditing and Corporate Governance, 3rd Edition, Taxmann's Publication Pvt Ltd.
	Ashish Kumar Sana, Swapan Sarkar, Bappaditya Biswas, Auditing and Assurance, 2nd Edition, McGraw- Hill.
Open Resources	https://cbic-gst.gov.in/CGST-bill-e.html
Tools and Softwares	

COMM4204: GST AND CUSTOMS LAW

Hard Core

4 Credits

Prerequisites	Knowledge on Taxation and Income Tax
Learning Objectives	To understand the indirect tax provisions and recent amendments regarding indirect tax system in India.
	To get expert opinion to finalize management decisions in connection with various indirect tax issues.
Learning Outcomes	Understand the concept of Indirect Tax and Custom Laws and exemption of duties
	Build knowledge on concepts of GST and the implementation of GST in India
	Classify the Goods and services exempted from tax and understand the procedures of registration and collection of tax
	Develop knowledge about Input Tax credit, tax credit in special circumstances and Reverse Charge Mechanism
Methodology	Teaching with visual aids
	Assignments and Tests
	Quiz sessions and Case Discussion
Unit I	Indirect Tax System
	Principles of Taxation, Taxable Capacity. Scope, Indirect Taxes vs Direct Taxes. Indirect Taxes Reforms: VAT to GST, Indirect Taxes Planning.
Unit II	Introduction to GST
	Need for GST in India, Challenges in Designing GST. Origin- based versus Destination-based Taxation. Registration and Threshold. Composition Scheme. Tax Administration. GST Model. Compensation to States. GST Act & Rules
Unit III	Levy & Collection of GST
	Tax invoice. Credit and Debit Note. Exemption from GST. E Way Bill. Return. Payment of Tax. Input Tax Credit. Job work. Refunds.
Unit IV	Administration of GST
	Goods and Services Tax Council. Advance Ruling. Demands and Recovery. Appeal and Revision. Offences & Penalties. Anti-Profiteering Measures. Avoidance of Dual Control.
Unit V	Customs Laws
	Introduction to Customs Law. Types of Customs Duty. Valuation for Customs Duty. Procedures for Imports and Export Baggage. Postal Articles. Stores. Exemptions. Remissions. Demand Recovery. Refunds Exports Incentives. Tribunal. Customs administration – Customs Act and Rules
Reference Books	CA Anoop Modi & CA Mahesh Gupta, GST & Customs Law, SBPD Publications 2018
	Datey V.S Indirect taxes – Laws and Practice, Tax Mann Publication (P) Ltd., New Delhi.24th edn 2010
	V.K. Singhania and Monica Singhania Students guide to GST and Customs Law Taxmann Publication 5th edition 2020.

	V.S. Datey Elements at Central Excise and Customs Law Taxmann Publication 5th edition 2007
	Bansal, K.M, GST & Customs Law, University Edition, 4th Edition, January 2020,
Open Resources	https://www.gst.gov.in/ https://www.cbic.gov.in
Tools and Softwares	

ODD SEMESTER

THIRD SEMESTER

COMM5101: ACCOUNTING THEORY

Hard Core

4 Credits

Prerequisites	Basic knowledge on theories of accounting
Learning Objectives	This course is aimed at students who seek accounting as their profession or an area for research. This course is indented to develop an in-depth knowledge in the area of accounting and study the differences in accounting theory and practice.
Learning Outcomes	Formulation, testing of accounting theory,
	Reporting practices of accounting information
	Understanding the relationship between Behavioural research and accounting
Methodology	Teaching with visual aids
	Assignments and Tests
	Quiz sessions and Case Discussion
Unit I	Theory and method
	Overview of Accounting Theory - Theory Formulation-Testing a theory-Accounting theory Construction-Pragmatic theories-Syntactic and Semantic theories-Normative theories-Positive theories. Measurement Theory: what is measurement- Scales-Permissible operations of scales-Types of Measurement-Reliability and Accuracy
Unit II	Accounting Under Ideal Conditions
	The Present Value Model Under Certainty-The Present Value Model Under Uncertainty- Historical Cost Accounting Revisited- The Decision Usefulness Approach to Financial Reporting- Single-Person Decision Theory The Rational, Risk-Averse Investor The Principle of Portfolio Diversification Increasing the Decision Usefulness of Financial Reporting- The Reaction of Professional Accounting Bodies to the Decision Usefulness Approach
Unit III	Efficient Securities Markets
	Implications of Efficient Securities Markets for Financial Reporting the Informativeness of Price- A Model of Cost of Capital- Information Asymmetry-The Value Relevance of Accounting Information-The Measurement Approach to Decision Usefulness- Efficient Securities Market-Anomalies-Limits to Arbitrage- A Defense of Average Investor Rationality-Measurement Applications
Unit IV	Behavioural Research In accounting
	Development of Behavioural Accounting-The Brunswick Lens Model- - Probabilistic judgment –Accounting and Behaviour-Standard setting in a political environment-Development of Indian standard setting procedure-Theories of Regulation-Public interest theory-Regulatory capture theory-Private Interest theory-Standard setting approaches-Free or regulated market?
Unit V	Conceptual framework of accounting
	Information for decision making-Decision theory approach-Scientific criticisms of conceptual framework-Measurement of Assets and Liabilities-Subjective value-True economic value-Approximations of true value-Valuation Methods- Present value-Expected cash-historical cost-Market

	price-Special cases
Reference Books	Godfrey Jayne, Hodgson Allan, Holmes Scott., “Accounting theory” John Wiley and Sons Australia Limited
	Ahmed Riahi- Belkaoui “Accounting theory” Cengage Learning EMEA, 2004
	William R Scott Financial Accounting Theory , Pearson ,2015
	Harry I. Wolk, Michael G. Tearney Accounting theory: a conceptual and institutional approach South-Western College Pub., 2001.
	Harry I. Wolk, James L. Dodd, John J. Rozycki Accounting theory: conceptual issues in a political and economic environment Sage Publications, 2007.
Open Resources	
Tools and Softwares	

COMM5102: FINANCIAL STATEMENT ANALYSIS

Hard Core

4 Credits

Prerequisites	Broad understanding of financial statements and ratio analysis
Learning Objectives	This course provide an indebt knowledge on the tools and techniques of analyzing financial statement.
Learning Outcomes	Applications of financial statement analysis tools
	Financial forecasting
	Valuation of various items of financial statements
Methodology	Teaching with visual aids
	Assignments and Tests
	Quiz sessions and Case Discussion
Unit I	The Basic Financial Statements
	Income Statement-Building an Income Statement in Excel-The Balance Sheet-Building a Balance Sheet in-Building a Statement of Cash Flows-Common-Size Statement of Cash Flows- The Cash Budget -Collections and Disbursements-Calculating the Ending Cash Balance-Repaying Short-Term Borrowing-Using the Cash Budget for What-If Analysis
Unit II	Financial Statement Analysis Tools
	Liquidity Ratios- -Efficiency Ratios Inventory Turnover Ratio-Accounts Receivable Turnover Ratio-Average Collection Period-Fixed Asset Turnover Ratio-Total Asset Turnover Ratio-Leverage Ratios-Coverage Ratios-Profitability Ratios-DuPont Analysis Analysis of EPI's Profitability Ratios-Financial Distress Prediction-The Original Z-Score Model-The Z-Score Model for Private Firms-Using Financial Ratios-Trend Analysis-Comparing to Industry Averages-Company Goals and Debt Covenants
Unit III	Financial Forecasting
	The Percent of Sales Method-Forecasting the Income Statement- Forecasting Assets on the Balance Sheet- Forecasting Liabilities on the Balance Sheet-Discretionary Financing Needed-Using Iteration to Eliminate DFN-Other Forecasting Methods-Linear Trend Extrapolation-Break-Even and Leverage Analysis--Leverage Analysis -The Time Value of Money
Unit IV	Common Stock Valuation
	What Is Value-Fundamentals of Valuation-Determining the Required Rate of Return-A Simple Risk Premium Model-CAPM-Valuing Common-Alternative Discounted Cash Flow Models-Relative Value Models Preferred Stock Bond Valuation -Bond Price Sensitivities-Duration and Convexity- The Cost of Capital-The Appropriate "Hurdle" Rate - Capital Budgeting-The Optimal Capital Budget -Risk and Capital Budgeting
Unit V	Analysis through free software
	Practical aspects of financial statement analysis through R, Excel.
Reference Books	Timothy R Mayes Financial Analysis with Microsoft Excel Cengage Learning 2014
	How to Analyze Financial Statements (2017) Second edition,KakaniRamchandran, Publisher: McGraw Hill Education

	Financial Statement Analysis and Security Valuation (2017) Fourth edition, Stephen H. Penman, Publisher: McGraw Hill Education;
	Business Analysis and Valuation: Using Financial Statements (2015) 5th edition, Krishna G. Palepu, Publisher: Cengage Publications;
	Financial Management, Theory and Practice (2019) Tenth edition, Prasanna Chandra, Publisher: McGraw-Hill
Open Resources	
Tools and Softwares	R software & Excel

COMM5103: PERSONAL TAX PLANNING

Hard Core

4 Credits

Prerequisites	Basic understanding of Income Tax provisions
Learning Objectives	To educate the students with the various tax planning measures and instruments and devices and management of personal tax matters
Learning Outcomes	Understanding the basic concept of personal tax planning
	Application of tax provisions with respect residence, heads of income and investment
	Usages of personal tax planning tools
Methodology	Teaching with visual aids
	Assignments and Tests
	Quiz sessions and Case Discussion
Unit I	Tax Planning Need for Tax Planning – Principles and objectives of Tax Planning Obligation of parties to Tax Planning – Tax Planning, Tax Avoidance and Tax Evasion – Legal thinking on Tax planning – Tax Avoidance and Tax Evasion – Personal Tax Planning – Scope of Personal Tax Planning.
	Tax Planning with reference to Residential status Tax Planning through exempted incomes – Tax Planning through permissible deductions – Tax Planning with reference to clubbing provisions – Tax Planning through set off and carry forward of losses
Unit II	Tax planning for different Heads of Income Tax Planning measures relating to income from salary –Income from House property –Income from Business or profession – Income in the form of capital gains and income from other sources.
	Tax planning through investments Tax Planning through various tax saving investment avenues available for individuals like Mutual funds Unit linked insurance plans, Bonds, Equity linked savings schemes, Post Office Saving schemes and others.
Unit III	Personal Tax Management Assessment of individuals – Assessment procedure – Advance payment of tax – Tax deductions or collection at source – Appeals and revisions – personal tax Planning with reference to wealth tax and gift tax.
	Reference Books V.K. Singhania and Kapil Singhania , Direct Tax Law and Practice Taxmann Publication, 64 th Edition 2021 H.C. Mehrotra and S.P. Gopyal Income Tax Law and Accounts, Sahitya Bhawan Publications 42 th editions 2021. Gaur and Narang Income Tax law and practices Kalyani Publication 43 th edition 2021 Bhagawati Prasad direct tax law and Practice WishwaPrakashan 17 th edition 2018 Vision Book Series on Tax Planning, latest editions
Unit IV	
Unit V	

Open Resources	www.incometaxindia.gov.in
Tools and Software	

COMM5104: STRATEGIC COST MANAGEMENT

Hard Core

4 Credits

Prerequisites	Basic knowledge on cost techniques
Learning Objectives	This paper provides advanced cost management tools and strategies for controlling and managing the cost in an organisation
Learning Outcomes	Understanding the cost strategies
	Cost control and cost reduction
	Cost management for specific industry
Methodology	Teaching with visual aids
	Assignments and Tests
	Quiz sessions and Case Discussion
Unit I	Introduction to Strategic Cost Management (SCM)
	Traditional Cost management, Strategic Cost Management, Components of SCM, Strategic frameworks for value chain analysis, Superior performance & Competitive advantage; The value chain approach for assessing competitive advantage; Vision, Mission and Objectives of SCM; Value shop model.
Unit II	Introduction to Modern Business Environment
	Cost of Quality (COQ); Total Quality Management (TQM); The Business Excellence Model; Theory of Constraints; Throughput Accounting; Supply Chain Management; Gain Sharing Arrangements; Outsourcing.
Unit III	Introduction to Lean System
	Just-In-Time (JIT); Kaizen Costing; 5Ss; Total Productive Maintenance (TPM); Cellular Manufacturing/ One Piece Flow Production System; Six Sigma; Process Innovation and Business Process Re- Engineering; Process Innovation; Business Process Reengineering.
Unit IV	Cost Control/ Waste Control and Cost Reduction
	Target Costing; Value analysis; Life Cycle Costing; Pareto Analysis; Environmental Management Accounting [EMA].
Unit V	Cost Management for Specific Sector
	Power Sector; Agriculture Sector; Information Technology (IT) Sector.
Reference Books	Shank Govindarajan, Strategic Cost Management: The New Tool for Competitive Advantage, Simon & Schuster Publication.
	Ravi M. Kishore, Strategic Cost Management, 5th Edition, Taxmann's Publication.
	Pudhuka, Students Handbook on Strategic Cost Management & Performance Evaluation: For CA Final New Syllabus, Commercial Law Publisher (India) Pvt.Ltd,
	Bandgar, P.K, Strategic Cost Management, Himalaya Publishing House.
	Nicholas Tomalin Ron Hall, Cost Management: A Strategic Emphasis PB, 6th International Edition, McGraw- Hill Education India Pvt Ltd.
Open Resources	
Tools and Softwares	

EVEN SEMESTER
FOURTH SEMESTER

COMM5201: COMPUTERISED ACCOUNTING

Hard Core

4 Credits

Prerequisites	Basic knowledge on the application of accounting softwares
Learning Objectives	The purpose of this course is to give hands-on experience to students on cloud computing and help them to maintain the accounts of a firm independently
Learning Outcomes	Understanding the functions of accounting functions through computer
	Usage and application accounting software
	Valuations of financial information using computer
Methodology	Teaching with visual aids
	Assignments and Tests
	Quiz sessions and Case Discussion
Unit I	Cloud-based accounting: the Basics
	Sample Company Sign In-User Interface-Dashboard-Account and Settings-Chart of Accounts- Recent Transactions-Reports- Journal-Create an Invoice-Customer Invoice-Receive Payment-Income-A/R Aging Summary-Transaction Detail by Account-Company Snapshot-Sales Receipt-Enter a Bill-Journal Report
Unit II	New Company Setup Getting Started
	Set Up Your Account-Dashboard or Home Page-Navigation Bar-Chart of Accounts-Add Accounts-Edit Accounts-Batch-Edit-Company Administrator-User Roles and Access Rights-Accountant User-Audit Log
Unit III	Balances and Transaction Register
	Journal Entry-Account List- Transaction Register-Expense Account Distribution-Sales Receipt-Add Customer-Add Non-Inventory Product/Service-Cash Sales-Sales Receipt Account Distribution-Transfer Account Distribution-Dashboard or Home Page-Bank Accounts-Profit and Loss-Expenses-Income-Sales-Reports-Journal-Trial Balance-Profit and Loss-Balance Sheet
Unit IV	Vendors and Inventory
	Account Reconciliation-Checking Account Register -Trial Balance-Accounts Payable: Vendors-Vendors Page-Create New Checks-New Vendors-Vendor Contact List-Audit Log-Inventory Products and Services-Vendor Transactions-Transaction Detail by Account Vendor Balance Summary-Customers and Sales-Customer Settings-Add Customers-Customer Invoices Sales Returns: Customer Credit-Inventory Valuation Summary -Vendor Balance Summary
Unit V	Analysis and Reports
	Closing the Fiscal Year-Post closing Trial Balance-Analyze Reports -List Reports vs. Balance or Totaled Reports -Customize Reports-Certification, Report Customization
Reference Books	Carol Yacht and Susan Crosson Computer Accounting with QuickBooks Online: A Cloud-Based Approach Mc Graw Hill 2018

	Computerized Accounting with QuickBooks 2019 (Desktop Version) (2020) by Gayle Williams , Cambridge Business Publisher
	Computerized Accounting with Quickbooks 5.0(1997) by Janet Horne, Publisher: Pearson
	Computer Accounting with QuickBooks Online 2nd Edition By Donna Kay, McGraw-Hill publication
	Rasananda Mohanty, Sanjay Kumar Satapathy Computer Application in Business Accounting, Himalaya Publishing House
Open Resources	http://www.himpub.com/documents/Chapter1197.pdf
Tools and Softwares	Tally, MS Excel, SAP

COMM5202: ACCOUNTING FOR DERIVATIVES

Hard Core

4 Credits

Prerequisites	Basics of accounting
Learning Objectives	To impart the knowledge on the derivatives accounting and its implications on the balance sheet items
Learning Outcomes	Measurement and Valuations of derivatives
	Techniques of derivatives accounting
	Reporting practices of derivatives accounting
Methodology	Teaching with visual aids
	Assignments and Tests
	Quiz sessions and Case Discussion
Unit I	Derivatives and its Valuation
	Meaning and purpose of derivatives; forward contracts Future contracts options, swaps and other derivatives. Valuation of future, option and swaps.
Unit II	Accounting for Foreign Exchange Rate Fluctuations
	An overview of foreign currency markets and exchange rates. Accounting for spot and forward foreign currency transactions. Foreign currency translation methods- current rate method, current/non-current method, monetary/non-monetary method and temporal method. IFRS on foreign currency exchange accounting. Problems and Case study analysis.
Unit III	Hedge Accounting
	Types of Hedges, Hedged item candidates, hedging instruments candidates, Hedging relationship documentation, Hedge effectiveness assessment, rebalancing, discontinuation of hedge accounting, options and hedge accounting, forwards and hedge accounting.
Unit IV	Fair Valuation- Credit and Debit valuation adjustments
	Fair Valuation: Overview of IFRS, Overnight Index Swap Discounting, Derivative Instruments: FX forwards, interest rate swaps, cross-currency swaps, standard options, exotic options, barrier options, range accruals; hedging foreign exchange risk: Types of exposures, translation rates, foreign currency transactions.
Unit V	Hedge accounting: A double edged sword
	Positive influence on the profit and loss statement, substantial operational resources, limited access to hedging alternative, risk of reassessment of highly probable transaction, low compatibility with portfolio hedging.
Reference Books	Mark Trombley, Accounting for Derivatives, Juan Ramirez, Wiley & Sons Inc., 2007. Accounting for Derivatives and Hedging, ,McGrawHill, 2003
	Juan Ramirez, Accounting for Derivatives: Advanced Hedging under IFRS, John wiley& Sons inc
	Mark J.P. Anson, Accounting and Tax Rules for Derivatives, (Frank J. Fabozzi Series) John Wiley & Sons.

	Trombley Mark, Mark A. Trombley, Accounting for Derivatives and Hedging, McGraw- Hill Higher Education.
	Mark. J.P. Anson, Accounting and Tax Rules for Derivatives, John Wiley & Sons
Open Resources	
Tools and Softwares	

COMM5203: INTERNATIONAL TAXATION

Hard Core

4 Credits

Prerequisites	Basic provisions of International taxation
Learning Objectives	This course aims at providing basic concepts in international taxation and comparison of Indian tax system with international tax system Learning Outcomes Understanding the basic principles of international taxation Avoidance of double taxation Applications of international tax provisions on cross border merger and acquisition
Methodology	Teaching with visual aids Assignments and Tests Quiz sessions and Case Discussion
Unit I	Basic Concepts of International Taxation: Objectives of International Taxation. Legislation of International Taxation; Source Jurisdiction of Taxation Residence Jurisdiction of Taxation. Withholding Tax. Expatriation Tax. Tax Haven.
Unit II	Tax Treaties: Introduction. United Nations Model Convention. OECD Model. US Model. Types of Treaties. Process of Negotiating Tax Treaties. Elements of Tax Treaty. Objectives of Tax Treaties. Interpretation of Tax Treaties. India Tax Treaty. Relief on Double Taxation. Money Laundering
Unit III	Transfer Pricing: Concept of Transfer Pricing. Applicability. Transfer Pricing Vs Arm’s length price. Method of Transfer Pricing. Transfer Pricing Documentation. Penalty on Transfer Price. Purpose of Transfer Price. Problem Associated with Transfer Pricing. Safe Harbour Rule & Transfer Pricing Officer.
Unit IV	Base Erosion and Profit Shifting: Introduction. Preventing Treaty Abuse. Harmful Tax Practice. Permanent Establishment. Intangibles. Digital Economy. Financial Transaction. Interest Deduction. Controlled Foreign Company. Action plan on Base Erosion and Profit Shifting
Unit V	International Tax Dispute Mechanism: Introduction. Structure of International Tax Dispute Mechanism: Traditional Dispute Resolution. Dispute Resolution Panel. Income Tax Settlement Commission. Advance Authority for Ruling. Mutual Agreement Procedure. Advance Pricing Agreement.
Reference Books	Rohatgi, Roy Basic International Taxation – Volume 1 (Principles) (London BNA International, 2nd Ed,2007) Ogley, Adrian, Principles of International Taxation: A Multinational Perspective (London, Interfisc Publishing, 1993) Baker, Philip (2001) Double Taxation Conventions and International Tax Law, London, Sweet & Maxwell, 3rd edition. IFA (2018) Evolving trends in International Taxation- In India & Globally International Tax Research And Analysis Foundation Itraf (2016) Base erosion and profit shifting the global taxation agenda

Open Resources	https://www.icai.org/post.html?post_id=14458
Tools and Software	

POOL OF SOFT CORE COURSES

(APPLICABLE FROM THE ACADEMIC YEAR 2021-22 ONWARDS)

5. The Department of Commerce would offer courses from the pool of soft core courses to both BF and AT students depending upon the need of students and availability of professors.
6. Students who have done hard core course in any subject is not eligible to take soft core course in the same subject.
7. Students are free to take any number of soft courses from other departments; need not depend upon the department.
8. Minimum 20 and maximum 60 students are permitted for each soft core course
9. Selection of students for a particular soft core course is to be made based on the merit list prepared from the eligibility test when more than 60 prefers to join.

Course Code	Title of the Paper	Soft/ Hard	Credit
Management and Decision			
SCOM01	Managerial Economics	S	3
SCOM02	Marketing Strategy	S	3
SCOM03	Human Resource Management	S	3
SCOM04	Strategic Management	S	3
SCOM05	Family Business Management	S	3
SCOM06	Direct and Indirect Tax Administration	S	3
SCOM07	Corporate Tax Planning and Management	S	3
Decision Tools and Techniques			
SCOM08	Machine Learning for Financial Decisions	S	3
SCOM09	Business Analytics for Decision Making	S	3
SCOM10	Principles of Artificial Intelligence	S	3
SCOM11	Computer applications in Business	S	3
SCOM12	Research Methodology	S	3
SCOM13	Statistics for Business Decisions	S	3
SCOM14	Operations Research	S	3
SCOM15	Financial Mathematics	S	3
Investment and Risk Management			
SCOM16	Stock and Forex Trading Lab	S	3
SCOM17	Commodity derivatives markets & applications	S	3
SCOM18	Investment Valuation	S	3
SCOM19	Financial Risk Management	S	3
SCOM20	Forensic Accounting and Fraud Risk Management	S	3
SCOM21	Personal Finance	S	3
SCOM22	Equity Derivatives (For students from AT and Other Departments)		
Finance and Accounting			
SCOM23	Merchant Banking and Financial Services	S	3
SCOM24	Corporate Governance	S	3
SCOM25	Strategic Financial Management	S	3
SCOM26	Multinational Financial Management		

SCOM27	Fund Management in Commercial Banks		
SCOM28	Entrepreneurship	S	3
SCOM29	International Accounting		
General			
SCOM32	Value added courses (Only up to III Semester)	S	3
SCOM33	Project / Internship and Viva	S	3
SCOM 34	Contemporary Legal Framework	S	#
	Softcore courses from Other Departments	S	3

SCOM01- MANAGERIAL ECONMOMICS

Soft Core

3 Credits

Prerequisites	Basic Knowledge in Economics
Learning Objectives	Objective of this paper is to provide the basic concepts in Managerial Economics
Learning Outcomes	Basics application of economics in Business decision making
Methodology	Chalk and talk, Presentation, Seminar, Group Discussion
Unit I	Title: Basic concepts of Managerial Economics
	Contents: Profits, revenue – costs – discounting – profit maximization – marginal analysis – regression analysis – objectives of the enterprise.
Unit II	Title: Demand
	Contents: Demand function – Law of demand, demand elasticity's, demand estimation and forecasting
Unit III	Title: Production and Costs
	Contents: Production Function – Employment decisions – cost curves in the short and long run – estimating cost functions
Unit IV	Title: Perfect competition
	Contents: Output decisions of firms, equilibrium of the industry in the short and long run – supply-demand analysis – effects of price control. Monopoly and simple Oligopoly – Price and output decisions under monopoly, discriminating monopoly, effects of price control, kinked demand curve hypothesis
Unit V	Title: Price practices
	Contents: Cost based pricing, Competition oriented pricing, - Limit pricing– Peak load pricing – Life Cycle pricing
Reference Books	Christopher R Thomas and S. Charles Murice (2005) Managerial Economics Concepts and Applications. New Delhi: Tata McGraw Hill.
	P.L. Mehta (2002) Managerial Economics - Analysis, Problems and Cases. New Delhi: Sultan Chand
	Watson and Getz (1995) Price Theory and its uses. AITBS
	Rahul A Shastri (2000) Microeconomic Theory. Hyderabad: Universities Press (Orient Longman)
	Ahuja H. L, Managerial Economics- Analysis for Managerial Decision Making, S. Chand, New Delhi
Open Resources	
Tools and Softwares	MS Excel

SCOM02: MARKETING STRATEGY

Soft Core

3 Credits

Prerequisites	Basic Knowledge on Marketing management
Learning Objectives	The Objective of this course is to develop both theoretical and practical understanding to the various concepts of International Marketing
Learning Outcomes	Devising strategies to sell the product and segmentation
Methodology	Chalk and talk, presentations, seminar, Group Discussion
Unit I	Title: Introduction Contents: Concept and Significance of Marketing Strategy; Marketing Strategy – Factors Considered in Formulating Marketing Strategy. Designing Strategic Marketing: Steps Involved in Corporate Strategic Planning, Competitive Strategies – Market Leader, Market Challenger, Market Followers and Market Nichers Strategies
Unit II	Title: Designing Marketing Mix Strategies Contents: Product Strategy – Steps Involved and Differentiation Tools; Product Life Cycle Marketing Strategies; Pricing Strategy – Steps in Pricing Strategy; Initiating and Responding to Price Changes; Channel Strategy – Steps Involved in Channel Strategy; Channel Dynamics; Communication Strategy – Developing Effective Communication; Managing Integrated Marketing Communication Process.
Unit III	Title: Customer-Orientation in Marketing Contents: Customer Relationship Marketing-Concept and Need for Customer Relationship Marketing; Process of Customer Relationship Marketing; Building Customer Satisfaction and Retention – Defining and Delivering Customer Value and Satisfaction; Nature of High Performance Business; Attracting and Retaining Customers
Unit IV	Title: Recent Issues in Marketing Strategy Contents: What customers want?: Customer value, Conjoint Analysis, Analytics for customer segmentation and targeting, Demand Forecasting & Pricing, Pricing
Unit V	Title: Marketing Models for Strategies Contents: Marketing Mix Models and Advertising Models, Recommender System, Market Basket Analysis and RFM Analysis, Customer Churn & Customer Lifetime Value, Text Mining and Sentiment Analytics, Text Mining and Product Innovation Management, Social Network Analysis for Marketing
Reference Books	Warren J. Keegan : Global Marketing Management, 8th Ed. PHI.2013 Philip R. Cateora : International Marketing, 16th Ed. Irwin, 2013 – Business Marketing, PHI, 2004

	SakOnkvist: International Marketing, Analysis and Strategy.4th Ed. PHI.2004
	Keith Lewis, Mathew Housden : Introduction to International Marketing: A Guide to Going Global. Crest Publishing House.2003
	Michael Czinkota, Ronkainen. International Marketing. 10th Ed. Cengage Learning, 2012
Open Resources	
Tools and Softwares	

SCOM03: HUMAN RESOURCE MANAGEMENT

Soft Core

3 Credits

Prerequisites	Basic knowledge on the functions of management
Learning Objectives	To impart knowledge on the concept and essential functions of human resource management.
Learning Outcomes	Understand the basic concept of human resource management and its evolution and challenges
	Articulate human resource planning using quantitative and qualitative dimensions
	Knowledge on different methods of training and performance appraisal methods and their link with compensation
	Strategies of Talent Management and Change Management
	Understand the concept of HR Analytics and its applications
Methodology	Teaching with visual aids
	Assignments and Tests
	Quiz sessions and Case Discussion
Unit I	Introduction
	Concept and Functions; Human Resource Development (HRD)-definition, goals and challenges; The changing environment of HRM – globalization, multi-cultural environment, technological advances, workforce diversity, corporate downsizing, changing skill requirement, Work life balance.
Unit II	Human Resource Planning
	Process, Forecasting demand and supply, Skill inventories, Succession planning; Job analysis. Recruitment – Source, process, Tests in selection; Orientation & Induction: Concept and process.
Unit III	Performance, Training & Compensation
	Concept, Need, Types of Appraisal Methods, Training: Process, Methods; Compensation & Incentives, social security, retirement and other benefits.
Unit IV	Recent issues in HRM
	Talent management, Social recruitment, multi-cultural issues, Change management, Talent network, crowd sourcing and internal social networks, increased flexibility and productivity, supporting virtual workforce, Balanced Score Card.
Unit V	HR Analytics
	Basics of HR analytics, Evolution, Analytical value chain, Analytical model, typical application of HR Analytics. Types of Measures – HR Productivity Metrics and Human Capital Metrics. HR Analytics Maturity Model, CEO/ Managers – HR expectations on Analytics.
Reference Books	De Cenzo, D.A. and Robbins. (2010). Fundamentals of Human Resource Management (10th Edition). New York: John Wiley and Sons

	Dessler, G. (2015). Human Resource Management (14th Edition). Pearson
	Arun Monappa and Miza S Saiyadain (1999). Personnel Management (2nd Edition). New Delhi: Tata McGraw-Hill publishing Company Limited.
	Aswathapa K. (2005). Human Resource and Personal Management: Text and Cases. New Delhi: Tata McGraw-Hill Publishing Company Limited
	Dipak Kumar Bhattacharyya (2017), HR Analytics: Understanding Theories and Applications, Sage.
Open Resources	
Tools and Softwares	

SCOM04: STRATEGIC MANAGEMENT

Soft Core

3 Credits

Prerequisites	Understanding of basic Management Concepts
Learning Objectives	The course introduces the students with the global business conditions and familiarizes them with the strategies for meeting global competition.
Learning Outcomes	<ol style="list-style-type: none"> 1. Learn to Think Critically and understand complex business challenges 2. Learn to Strategize, Collaborate for better implementation of Strategies 3. Acquire Leadership skills to solve and implement strategic understanding to work for success in business 4. Understand the Global Business Scenario and manage the Global Work Force
Methodology	lectures will be given to elaborate on key theoretical models and frameworks, discussion of selected management and competitive strategy cases
Unit I	International / Global business
	Background, Introduction, modes of international business, evolution of strategy in the internationalization process. The impact of Multinational Enterprise- evaluating the impact of MNE- economic, political and legal impact of MNE-impact of MNE in the internationalization process- operational impact of international business activities
Unit II	The Cultural Environment facing business
	Concept of culture- behavioural practices affecting the business, reconciliation of international differences; cultural needs in the internationalization process. The Political and Legal Environment facing business. The Government influence on trade- rationale for governmental intervention; forms of trade control.
Unit III	International Business Strategies
	Global Strategic Plan – Organizing strategy. International business negotiations - government versus company strength- negotiations in International Business- evolution of negotiations and diplomacy in the internationalization process- home country involvement in asset protection, multinational agreements and settlements.
Unit IV	Corporate Strategy and National Competitiveness
	Determinants and external variables in Porter’s diamond model of national competitiveness- ‘double diamond model’- benefits and effects of free trade agreements- relate the importance of globalization and national competitiveness to MNE strategies throughout the world.
Unit V	Collaborative Strategies
	Strategic Alliances: motives for collaborative arrangements-types of collaborative arrangements-collaborative strategies in the internationalization process. Mergers, Acquisitions & Corporate Restructuring, Control Strategies: planning-organizational structure-

	location of decision making- control in the internationalization process-control mechanisms.
Reference Books	1. Alan M. Rugman, Richard M. Hodgetts International Business: A Strategic Management Approach. New York: Mc. Graw Hill Inc.
	2. John Child and David Faulkner Strategies of Co-operation: Managing Alliances – Networks and Joint Ventures. New Delhi: Oxford University Press, 1998
	3. Patrick A. Gaughan Mergers, Acquisitions and Corporate Restructuring. New York: John Wily & Sons, Inc.
	4. Tony Grundy Breakthrough Strategies for Growth. . London: Pitman Publishing 1995.
	5. Abbass F. Alkhafaji, Strategic Management, First Edition, Jaico Publishing House.
Open Resources	
Tools and Softwares	

SCOM05: FAMILY BUSINESS MANAGEMENT

Soft Core

3 Credits

Prerequisites	Basics understanding about the family business
Learning Objectives	To expose the students of situational aspects family owned business, its growth and sustainability.
Learning Outcomes	Development and implementation of effective governance
	Devising strategies for family business
	Understanding the basics of succession planning
Methodology	Teaching with visual aids
	Assignments and Tests
	Quiz sessions and Case Discussion
Unit I	Introduction
	Overview of the family business. Effective governance and the family business, Issue of ownership and conflict in family. Capital structure of closely held business and family business, cash, growth. Issues and challenges in family business and closely held family business.
Unit II	Developing Effective Governance
	Understanding the relationships between family and business, management and ownership. Governance issues in family owned business, behavioral issues in closely held and family owned business & managed business. Conflict management and transition in family business
Unit III	Growth Strategy
	Growth strategy for family owned business. Different models in family business. Developing sustainable family business organization structure, ownership, team of advisors, board of directors and corporate governance.
Unit IV	Succession Planning
	Family succession, issues of succession in a family firm, preparing for succession planning. Legal norms of succession-succession acts, important provisions.
Unit V	Future Prospects
	Involving non-family members, power struggles and issues of succession in a family firm, Valuation of the closely held firm, the changing role of family in the family business.
Reference Books	Thomas Zellweger Managing the Family Business: Theory and Practice Edward Elgar Publishing
	Walter Vieira, Mita Dixit The 5Gs of Family Business SAGE Publications India.
	Kavil Ramachandran The 10 Commandments for Family Business SAGE Publications India.
	A. Gimeno, G. Baulenas, J. Coma-Cros Family Business Models: Practical Solutions for the Family Business Springer
	John L. Ward, Craig E. Aronoff, Family Business Governance: Maximizing Family and Business Potential By A Family Business publications
Open Resources	

SCOM06: DIRECT AND INDIRECT TAX ADMINISTRATION

Soft Core

3 Credits

Prerequisites	Basic knowledge on Direct and Indirect tax Laws
Learning Objectives	To understand the various administrative and regulatory provisions of Direct Tax and Indirect taxes in India.
Learning Outcomes	Gaining exposure on different types of taxes
	Organisational setup of Direct tax administration
	Organisational setup of Indirect tax administration
	Settlement and composition under direct and indirect tax laws
Methodology	Teaching with visual aids
	Assignments and Tests
	Quiz sessions and Case Discussion
Unit I	Basic Concepts
	Assessment Year, Previous Year, Types of Assesses, Incomes and Receipts . Reforms in Direct tax, Tonnage Tax, Securities Transaction Tax, Commodities Transaction Tax, Direct Tax Code.
Unit II	Income Tax Authorities
	CBDT, Director General, Commissioners and Powers of Authorities: Search & Seizure, Power to Call for Information, Power of Survey, Powers regarding discovery of Information. Types of Penalties, Various Procedures for Imposing Penalties.
Unit III	Assessment
	Best judgment Assessment, Self Assessment, Reassessment, Precautionary Assessment, Regular assessment, Important Provisions under Assessment. Various Types of Income Tax Returns and Income Tax forms- E-filing – Appeals and revisions – Refunds – Settlement Commission.
Unit IV	Constitutional provisions
	CBEC(Central Board of Excise & Customs) Organisation of Central Excise and Customs departments – Hierarchy – powers of commissioners – Deputy commissioners – Superintendant and Inspectors – Demands, Refund/Rebate of Central Excise Duty – Adjunctication Procedure in Central Excise – Search, Seizure Arrest and confiscation of goods under the Customs Act. – Advance Ruling authorities p application – Procedures formalities for scrutiny of application – Powers of authorities.
Unit V	Settlement Commission for Excise and customs
	composition and powers of the Commission – Appellate provisions in Central Excise, Customs and Service Tax – appeals to CESTAT (Customs, Excise and Service Tax Appellate Tribunal) procedure of Appeal to CESTAT – Orders of the CESTAT – Appeal before Supreme Court – Revision by Central Government – Reference to High Court/supreme Court Service tax Assessment – Filing of return of service Tax – appeals – penalties

Reference Books	V.K. Singhania and Kapil Singhania Direct Tax Law and Practice Taxmann Publication 64 th Edition, 2021
	H.C. Mehrotra and S.P. Gopyal Income Tax Law and Accounts, Sahitya Bhawan Publications 42th editions 2021.
	VS Datey, Indirect Taxes, Taxmann Publication, New Delhi, 24 th Edition, 2010
	CA Anoop Modi & CA Mahesh Gupta, GST & Customs Law, SBPD Publications 2018
	V.K. Singhania and Monica Singhania Students guide to GST and Customs Law Taxmann Publication 5th edition 2020.
Open Resources	
Tools and Softwares	

SCOM07: CORPORATE TAX PLANNING AND MANAGEMENT
Soft Core **3 Credits**

Prerequisites	Basic knowledge on tax provisions and tax planning
Learning Objectives	To understand the innovative ideas in corporate tax in India and to give expert advices to whom is required regarding various tax issues for decision-making.
Learning Outcomes	Giving expert advice in corporate tax planning
	Able to independently handle corporate tax planning
	Due diligence and compliance of tax laws
Methodology	Teaching with visual aids
	Assignments and Tests
	Quiz sessions and Case Discussion
Unit I	Corporate taxation:
	Taxable Income and Tax Liability. Problems on Computation of Taxable Income of Corporate. Minimum Alternative Tax. Dividend Distribution Tax. Tax on Income distributed to Unit holders. Tax incentives to the exporters.
Unit II	Corporate Tax Management
	Return of Income. Assessment. Advance Payment of Tax. Tax Deductions at Source. Tax Collection at Source. Appeals and revisions. Income Tax Authorities. Settlement of Cases. Advance Ruling for Non Residents. Search and Seizure. Penalties and Fine
Unit III	Corporate Tax Planning
	Introduction of Tax Planning. Tax planning with respect to Forms of Business. Nature of Business. Location of Business. Tax Planning Vs Tax Management. Tax Avoidance Vs Tax Evasion
Unit IV	Tax Planning and Corporate Decisions
	Tax planning for business. Capital Structure Decision. Dividend Distribution Decision. Own or Lease. Make or Buy Decision. Shutdown or Continue Decisions. Repair or Replace. Sale of Assets used for Scientific Research.
Unit V	Tax Issues Relating to Business Restructuring
	Amalgamation. Demerger. Conversion of Sole Proprietary into Company. Conversion of Firm into Company. Slump Sale. Transfer of Assets between Holding and Subsidiary Company.
Reference Books	V.K. Singhania and Monica Singhania Corporate Tax Planning and Business Tax Procedure Taxmann Publication Ltd., 64th edition 2021
	V.K. Singhania and Monica Singhania Corporate Tax Planning and Business Tax Procedure Taxmann Publication Ltd., 23th edition 2019
	Sally Jones and Shelley Rhodes Principal of Taxation for business and Investment Planning Tata McGraw Hill 4th edition 2010.
	H.C. Mehrotra and S.P. Goyal Income Tax Law including Tax Planning and Management Sahitya Bhawan Publications 42 nd edition 2021
	Girish Ahuja and Ravi Gupta. Direct Taxes Ready Reckoner with Tax Planning, Wolters Kluwer Publisher 21 st edition 2020

SCOM08: MACHINE LEARNING FOR FINANCIAL DECISIONS
Soft Core **3 Credits**

Prerequisites	Statistics, Algorithms
Learning Objectives	To understand the concepts of machine learnings To appreciate supervised and unsupervised learning and its application To understand the theoretical and practical aspects of Probabilistic Graphical Models To appreciate the concepts and algorithms of reinforcement learning To learn aspects of computational learning theory
Learning Outcomes	Design a neural network for an application of your choice Identify applications suitable for different types of machine learning with suitable justification Implement probabilistic discriminative and generative algorithms for an application of your choice and analyze the results Use a tool to implement typical clustering algorithms for different types of applications Design and implement on HMM for a sequence model type of application
Methodology	Lectures Lab
Unit I	Title Introduction: Contents: Machine Learning – Machine Learning Foundation – Overview – Design of a Learning system – Types of machine learning – Applications Mathematical foundations of machine learning – random variable and probabilities – probability theory – Probability distribution – Decision theory – Bayes Decision Theory – Information Theory
Unit II	Title: Supervised Learning Contents: Linear Models for regression – Linear models for classification – Naïve Bayes – Discriminant Functions – Probabilistic Generative Models – Probabilistic Discriminative Models – Bayesian Logistic Regression – Decision Trees – Classification Trees – regression trees – Pruning, Neural Networks – Feed- Forward Network Functions – Back – Propagation – support vector machines – Ensemble methods – Bagging – Boosting
Unit III	Title: Unsupervised Learning Contents: Clustering – K- Means – EM algorithms – Mixtures of Gaussians, The Curse of Dimensionality – Dimensionality Reduction – Factor Analysis – Principal Component Analysis – Probabilistic PCA – Independent Component Analysis
Unit IV	Title: Probabilistic Graphical Models: Contents: Graphical Models – Undirected graphical models – Markov Random Fields – Directed Graphical Models – Bayesian Networks – Conditional independence properties – Inference – Learning – Generalization – Hidden Markov Models – Conditional Random Fields (CRFs).

Unit V	<p>Title: Advanced Learning</p> <p>Contents: Sampling – Basic Sampling methods – Monte Carlo, Reinforcement Learning – K –Armed Bandit – Elements – Model- Based Learning – Value Iteration – Policy Iteration. Temporal Difference Learning – Exploration Strategies – Deterministic and Non-Deterministic Rewards an Actions Computational Learning Theory – Mistake bound analysis, sample complexity analysis, VC dimension, Occam learning, accuracy, and confidence-boosting. Deep Learning – RNN, ReLU</p>
Reference Books	<p>Bishop, C. (2006). Pattern Recognition and Machine Learning. Berlin: Springer-Verlag.</p> <p>Lars Schmidt- Thieme, Data Analysis, Machine Learning and Applications, Springer.</p> <p>Theobald Oliver, Machine Learning for Absolute Beginners: A Plain English Introduction: 1, (Machine Learning from Scratch), Second Edition, Ebook</p> <p>Tom M. Mitchell, Machine Learning, McGraw Hill Education,</p> <p>Slawomir T. Wierzchon, Advances in Machine Learning II, Springer</p>
Open Resources	<p>https://onlinecourses.nptel.ac.in/noc21_cs24/preview</p>
Tools and Software	<p>Python and R</p>

SCOM09: BUSINESS ANALYTICS FOR DECISIONS MAKING

Soft Core

3 Credits

Prerequisites	Basic knowledge on data and data interpretation
Learning Objectives	The objective is to provide relevant experience in data analytics to take business decisions scientifically.
Learning Outcomes	Gaining exposure on different types of business analytics
	Knowledge on Measurement Scales and its applications
	Understanding the working of Linear Programming
	Workings on different methods of data forecasting
	Insights about data analytics softwares
Methodology	Teaching with visual aids
	Assignments and Tests
	Quiz sessions and Case Discussion
Unit I	Introduction
	Science of data driven decision making, Descriptive analytics, Predictive analytics and Prescriptive analytics; Big data analytics, web and social media analytics, Machine learning algorithms.
Unit II	Data Analytics Software:
	Analytical Software –Free andOpen Source Software Vs Paid Software: R Language: Commands and Syntax, Packages and Libraries, Data Types, Data Structures – Vectors, Matrices, Arrays, Lists, Factors, Data Frames, Importing and Exporting Data. Excel: Introduction to statistical operations. PYTHON: Introduction to statistical operations, programming and data analysis.
Unit III	Descriptive analytics
	Introduction, data Types and scales, types of data measurement scales, measures of central tendency, measures of variations, measures of shapes.
Unit IV	Prescriptive Analytics
	Linear programming - Model building, assumptions, sensitivity analysis, solving LP programming using graphical method, range of optimality and shadow price.
Unit V	Forecasting techniques
	Introduction, time series data and components of time series of data, forecasting techniques and forecasting accuracy, moving average method, single exponential smoothing, double and triple exponential smoothing, Crostons forecasting methods, ARIMA Model.
Reference Books	R.N.Prasad and Seema Acharya, (2016), Fundamentals of Business Analytics, Wiley.
	U Dinesh Kumar (2017), Business Analytics: The Science of Data - Driven Decision Making, Wiley.
	V. K. Jain (2018), Data Science and Analytics (with Python, R and SPSS Programme), Khanna Publishing

	Evans James (2017), Business Analytics (2 nd Edition), Pearson.
	Mark J. Bennett and Dirk L. Hugen (2016), Financial Analytics with R (Building a Laptop Laboratory for Data Science), Cambridge University Press
Open Resources	
Tools and Softwares	

SCOM10: PRINCIPLES OF ARTIFICIAL INTELLIGENCE
Soft Core **3 Credits**

Prerequisites	Knowledge of Programing
Learning Objectives	The course aims to provide basic concept of Artificial Intelligence and its application in Business, Finance and Accounting
Learning Outcomes	<ol style="list-style-type: none"> 1. Understanding of the basic areas of artificial intelligence including problem solving, knowledge representation, reasoning, decision making, planning, perception and action, and learning -- and their applications (e.g., data mining, information retrieval). 2. Able to design and implement key components of intelligent agents of moderate complexity in Java and/or Lisp or Prolog and evaluate their performance
Methodology	Lectures, Assignments, Lab and Project
Unit I	Introduction
	Overview - Foundations, Scope, Problems, and Approaches of AI. Intelligent agents: Reactive, Deliberative, Goal-driven, Utility-driven, and Learning agents, Artificial Intelligence programming techniques.
Unit II	Problem-solving through Search
	Forward and Backward, State-Space, Blind, Heuristic, Problem-Reduction, A, A*, AO*, Minimax, Constraint propagation, Neural, Stochastic, and Evolutionary search algorithms, Sample applications
Unit III	Knowledge Representation and Reasoning
	Ontologies, Foundations of knowledge representation and Reasoning, Representing and Reasoning about objects, Relations, Events, Actions, Time, and Space; Predicate Logic, Situation calculus, Description Logics, Reasoning with defaults, Reasoning about knowledge, Sample applications.
Unit IV	Planning and Decision making
	Planning as search, Partial order planning, Construction and Use of planning graphs. Representing and Reasoning with Uncertain Knowledge: Probability, Connection to logic, Independence, Bayes rule, Bayesian networks, Probabilistic inference, and sample applications. Decision-Making: Basics of utility theory, Decision theory, Sequential decision problems, Elementary game theory, Sample applications.
Unit V	Machine Learning and Knowledge Acquisition
	Learning from memorization, Examples, Explanation, and exploration. Learning nearest neighbor, Naive Bayes, and Decision tree classifiers, Q-learning for learning action policies, Applications. Sample Applications of AI, Student project presentations.
Reference Books	1. Stuart Russell and Peter Norvig, Artificial Intelligence: A Modern Approach, 3rd Edition , By Pearson
	2. Knight, Kevin, Rich, Elaine, Nair, B; Artificial Intelligence, Third Edition, Tata McGraw-Hill Education Pvt. Ltd., 2008

	3. Kompella, Kashyap, Pelz-Sharpe, Alan, Artificial Intelligence, Third Edition, Deep Publishing
	4. Deepak Khemani, A First Course in Artificial Intelligence, McGraw Hill Education Pvt. Ltd, 2013
	5. Prabhat Kumar , Artificial Intelligence: Reshaping Life and Business, BPB Publication
Open Resources	
Tools and Softwares	Java, Python, C++, Lisp, and Prolog

SCOM11: COMPUTER APPLICATIONS IN BUSINESS

Soft Core

3 Credits

Prerequisites	Knowledge of Basic computer skills
Learning Objectives	This course is intended to introduce you to the application of excel in finance. The course seeksto develop your ability in using spreadsheets for financial modelling
Learning Outcomes	Understanding of the basic areas of computer applications.
Methodology	Lectures, Assignments, Lab and Project
Unit I	Excel for Financial Modelling
	Basic Excel features-Financial functions-Logical functions- Statistical functions-Look up and reference function-analysis tool pack
Unit II	How to build good excel models
	Documenting excel models- debugging excel models-Formula auditing tools-Financial statement forecasting-Review of theory and concepts-Modelling examples-Present Value and Net Present Value-The Difference between Excel’s PV and NPV Functions-Internal Rate of Return and Loan Tables
Unit III	Introduction to Equities using Excel
	Portfolio mean and variance-Risk return representation of portfolios-Using solver to find efficient points-combining risky and risk free securities-asset pricing-single index model-estimating beta coefficients-variance covariance matrix-value-at-risk.
Unit IV	Testing the Security Market Line
	The First-Pass Regression-The Second-Pass Regression- Testing CAPM using excel-Solving an Unconstrained Portfolio Problem-Solving a ConstrainedPortfolio Problem.
Unit V	Event Studies
	Outline of an Event Study-Measuring the Stock’s Behavior in the Estimation Window and the Event Window-Market-Adjusted and Two-Factor Models-The Event Window-Impact of Earnings Announcements on Stock Prices-Cumulative Abnormal Returns
Reference Books	Mary Jackson, Mike Staunton “Advanced Modelling using Excel and VBA John Wileyand sons limited 2007
	Gottlieb Isaac, “Next Generation Excel: Modeling in Excel for Analysts and MBAs JohnWiley and sons limited 2009
	Chandan Senguptha “Financial Modeling: Using excel and VBA John Wiley and sonslimited 2008
	Simon Benninga “Financial Modeling The MIT Press Cambridge, Massachusetts 2008
Open Resources	

SCOM12: RESEARCH METHODOLOGY

Soft Core

3 Credits

Prerequisites	Basic Knowledge on statistics and application softwares
Learning Objectives	To impart knowledge on Research Methodology Theory and Techniques for identifying, analysing and interpreting research problems in the real life situations.
Learning Outcomes	Sensing the importance of Research and development of Research design.
	Gain knowledge about Data Acquisition, Data Pre-processing and preparation
	Understand the concepts and applications of R and Excel Programming .
	Computational skills on widely using statistical techniques in various business research areas.
	Build knowledge regarding new costing techniques and apply those techniques for effective cost management
Methodology	Teaching with visual aids
	Assignments and Tests
	Problem Solving and Case Discussion
Unit I	Introduction
	Basics and types of research, hypothesis and research design, sampling and estimation, measurement and scales; pilot study, reliability test, item analysis and use of Crobach Alpha.
Unit II	Data
	Data Acquisition, Data Pre-processing and preparation, Data quality and transformation, Data exploration and visualization, handling text data.
Unit III	R and Excel Programming
	Commands and Syntax, Packages and Libraries, Introduction to Data Types, Data Structures in R – Vectors, Matrices, Arrays, Lists, Factors, Data Frames, Importing and Exporting Data, Control Structure and functions. Excel: Introduction to statistical operations.
Unit IV	Statistical Analysis
	Inferential statistics, Linear Regression, Multiple Linear Regression, Non-Linear Regression, Forecasting models and clustering.
Unit V	Interpretation and Report Writing
	Importance of Interpretation; Pre-requisites of Interpretation; Errors in Interpretation; Essentials of a Good Research Report; Types of Reports; Layout of a Research Report; Writing up of the Report; Evaluating a Research Report.
Reference Books	Naresh Malhotra, Marketing Research: An Applied Orientation, Pearson
	Cooper & Schindler, Business Research Methods. New Delhi:TMGH
	Kothari, Research Methodology: Methods & Techniques, New Age Intl., NewDelhi
	Levin & Rubin, Statistics for Management. New Delhi:PHI
	Mark Gardener, “Beginning R The statistical Programming Language, Wiley India Pvt Ltd, New Delhi (2015)

SCOM13: STATISTICS FOR BUSINESS DECISIONS

Soft Core

3 Credits

Prerequisites	Basics of Statistics and interpretations of the statistics results
Learning Objectives	To familiarize the students with various Statistical Data Analysis tools that can be used for effective decision making. Emphasis will be on the application of the concepts learnt to various managerial situations.
Learning Outcomes	Applications of statistical softwares
	Interpretations of the results
	Making decisions based on the results
Methodology	Teaching with visual aids
	Assignments and Tests
	Quiz sessions and Case Discussion
Unit I	Statistical Decision Theory
	Attributes, variables (quantitative and qualitative), Scales of measurement: nominal, ordinal, interval and ratio, Measures of Central Tendency, Measures of Dispersion: Shape of the distribution: Skewness and Kurtosis, Z-Score, Chebychev and empirical rule. Decision environment, Expected profit under uncertainty, Utility theory.
Unit II	Measures of relations
	Correlation Analysis: scatter diagram, linear, logistic and multinomial, Correlation: Meaning, Significance, Causation, Tests for significance of Correlation Coefficient.
Unit III	Probability
	Meaning and need, Theorems of addition and multiplication, Conditional probability, Bayes' theorem, Random Variable- discrete and continuous. Probability Distribution: Meaning, characteristics (Expectation and variance) of Binomial, Poisson, exponential and Normal distribution, Central limit theorem.
Unit IV	Estimation
	Population mean, Confidence intervals for the parameters of a normal distribution (one sample only), Introduction to testing of Hypothesis: Concept; Level of Significance; Process of testing; Type I and Type II error, standard error of estimates, Test of hypothesis concerning Mean: z test and t test, F test.
Unit V	Non Parametric Tests
	Chi-square tests; Sign tests Wilcoxon Signed – Rank tests; Wald – Wolfowitz tests; Kruskal – Wallis tests
Reference Books	Keller, G. Statistics for Management and Economics (10th Edition). New Delhi: CENGAGE Learning, 2015.
	Levin, R. and Rubin, D, Statistics for Management (7th Edition). New Delhi: Pearson, 2012.
	Gupta S.P. Statistical Methods, Sultan Chand, New Delhi 2009
	Stine, R. and Foster, Statistics for Business (Decision making and Analysis) (2nd Edition), New Delhi: Pearson, 2014
	Arora & Arora, Statistics for Management, Sultan Chand, New Delhi, 2009

Open Resources	http://gretl.sourceforge.net
Tools and Softwares	MS Excel, SPSS

SCOM14: OPERATIONS RESEARCH

Soft Core

3 Credits

Prerequisites	Basics of business mathematics
Learning Objectives	To equip students with Operations Research techniques for taking managerial decisions.
Learning Outcomes	Cost cutting and profit maximisation through Linear programming
	Assigning the job
	Management and control of Inventory
Methodology	Teaching with visual aids
	Assignments and Tests
	Quiz sessions and Case Discussion
Unit I	Introduction
	Concept and Significance of operations Research Evolution of operations research; Steps in designing operations research studies; Operations research models.
Unit II	Linear Programming and its Applications
	Graphic method and simplex method; Duality problem; Transportation problem; Assignment problem.
Unit III	Waiting Line Models
	Waits and Services; Mathematical distribution of queues; Basic models of queuing theory and applications.
Unit IV	Inventory Control
	Deterministic models and probabilistic models.
Unit V	Game Theory
	Zero sum game; Pure and mix strategies; Criteria of sharing strategies. Net – Work Analysis: Introduction to PERT and CPM; Application areas of PERT and CPM.
Reference Books	Sharma J.K.: Operations Research – Theory and Applications, Macmillan India Ltd., New Delhi 3rd edition 2006
	R. Panneerselvam – Operation Research Prentice Hall of India Private Ltd., New Delhi.(2007)2nd edition
	Hiller & Lieberman “introduction to Operations Research Tata McGraw Hill, New Delhi (2009) 8th ed.
	Vazsonyi, Andrew and Herbert F.Spriner: Quantitative Analysis for Business, Prentice Hall, New Delhi.Special Indian edition
	Vohra, N.D.: Quantitative Techniques in Management, Tata McGraw – Hill, New Delhi. 2008
Open Resources	
Tools and Softwares	MS Excel

SCOM15: FINANCIAL MATHEMATICS

Soft Core

3 Credits

Prerequisites	Studied atleast one paper on Business Maths and/or Statistics at UG
Learning Objectives	Aims at the active and practical use of mathematics in Financial Market
	To gain knowledge on different models of Financial Markets
Learning Outcomes	Restate the Definition, Concept, Importance and scope of Financial mathematics
	Gaining conceptual knowledge and application skills on Vector analysis, Multiple integration and linear integral
	Solve the problems on Differential equations
	Application skills on numerical techniques in Finance
Methodology	Teaching with visual aids
	Assignments and Tests
	Quiz sessions and Case Discussion
Unit I	Introduction
	Concept, Importance and scope of Financial mathematics – Set theory, Basic Concept: Indices and logarithm, Permutations and Combinations and Quadratic Equation.
Unit II	Multivariate Calculus and Mathematical Analysis
	Vector, Differentiation in several variables, Vector-valued functions, Maxima and minima in several variables, Multiple integrations, Line integrals, Surface integrals.
Unit III	Differential Equations
	First Order Differential Equations, Linear Second Order Differential Equations, Applications of Linear Second Order Differential Equations, Laplace Transforms, Systems of Linear Differential Equations, Introduction to PDE.
Unit IV	Numerical Techniques in Finance
	Lattice Methods, The Binomial Tree, Review of Continuous-Time Finance, Monte Carlo Methods, Numerical Solutions of Parabolic PDE's
Unit V	The Simplest Model of Financial Markets
	One-Period Finite State Model, Securities and Their Par-Offs, Securities as Vectors, Operations on Securities, The Matrix as a Collection of Securities, Matrix Multiplication and portfolios, Systems of Equations and Hedging, Linear Independent and Redundant Securities, The Structure of the Marketed Subspace. The Identity Matrix and Arrow-Debreu Securities, Matrix Inverse, Inverse Matrix and Replicating Portfolios, Complete Market Hedging Formula.
Reference Books	Suresh Chandra, S. Dharmaraja, Aparna Mehra, Reshma Khemchandani Financial Mathematics: An Introduction Alpha Science International Limited
	Raymond H. Chan, Yves ZY. Guo, Spike T. Lee Financial Mathematics, Derivatives and Structured Products, Springer
	Ali Hirsra Computational Methods in Finance, CRC press

	Sheldon M. Ross An Elementary Introduction to Mathematical Finance, Cambridge University Press
	Giuseppe Campolieti, Roman N. Makarov, Financial Mathematics: A Comprehensive Treatment CRC press
Open Resources	https://nptel.ac.in
Tools and Softwares	

SCOM16: STOCK AND FOREX TRADING LAB

Soft Core

3 Credits

Prerequisites	Basic knowledge of Financial Market Operation
Learning Objectives	To introduce the operations of the security market
	To understand the Trading Process, settlement, and legal frameworks
Learning Outcomes	Students who complete this course can do stock and forex trading.
Methodology	Practical Sessions
	Lab
	Live trading
	<p>List of practical:</p> <ul style="list-style-type: none"> • Evaluation of New Issue application forms • Identification of Risk Factors and Project viability in New Issues • Exploring the NEAT and BOLT screen based trading • Order types, Order Booking • Opening up of a DP account, PAN, etc • Trading and Settlement activities of on-line trading • Preparation of Technical Charts, exploring trends • Fundamental Analysis of Industry and identification of growth stocks • Company specific events and identification of stock price reaction to Dividend and Bonus announcements • Index Preparation and examining the portfolio performance • Clearing and Settlement activities and MIS Reporting • Marketing of Mutual Funds and Infrastructure Bonds – Critical Factors • F&O Segment – Broader features of the Screen trading • F&O Segment – Calculation of Cost of Carry, impounded costs • F&O Segment – Sport Market linkage • Forex trading – Basics • Determination of Merchant Rates • Forward Trading • Currency Derivatives
Tools and Software	The trading app provided by respective brokers

SCOM17: COMMODITY DERIVATIVES: MARKETS & APPLICATIONS
Soft Core **3 Credits**

Prerequisites	Basic knowledge on derivatives markets and its instruments
Learning Objectives	To give necessary knowledge to students through introduction to commodity derivative markets, regulatory framework, risk management and spot and futures market operations
Learning Outcomes	To enable students to understand the general commodity market scenario in India The student will also acquaint with practical aspects of commodity derivative market application and the regulation governing this sector.
Methodology	Course activities consist of lectures, case study analysis, group discussions, seminar, Presentation, assignment writing and tests. Solving problems and evaluating decisions involving the financial data of selected banks will be integral part of instruction
Unit I	Introduction to Global Commodity Markets
	International Exchanges and History of Commodity Markets: History of Commodities Market * Physical Commodity (Spot) markets * Instruments, Exchanges, and Strategies • Commodity Forward Contracts, Futures, Options and Swaps • Requirement of Commodity Futures • Need for Commodity Derivatives Exchanges in Any Economy • Different Components of the Commodity Ecosystem • Different international Commodity Derivatives Exchanges: An Overview
Unit II	Commodities Regulatory Framework in India
	FCRA * FMC * Kabra Committee Report * Abhijit Sen Committee Report Etc. SEBI Act. Banking Act. Warehousing Development and Regulation Act. APMC Act
Unit III	Arbitrage and Spread Trading Strategies
	Cash and Carry Arbitrage * Reverse Cash and Carry Arbitrage * Spread Trading: Intra-Commodity / Inter-Commodity
Unit IV	Price Risk Management Using Commodity Prices
	Price risk management includes hedge strategies using commodity futures * concept of contango and backwardation * definition of hedging * basis risk * basis in contango and backwardation * Futures prices and relationship with cost of carry and cash prices * Concept of Continuous compounding * Who are the different participants and intermediaries in Commodities market * Basis Risk and scenario analysis* Investment strategies using futures * spread strategy * arbitrage using futures * cash and carry and reverse cash and carry arbitrage
Unit V	Commodity Market Operations
	Exchange Operations, Clearing & Settlement, Trading & Surveillance, Exchange Risk Management, Delivery Mechanism and Warehouse Receipts, Spot Markets: Trading mechanism Process of collection of cash prices * Due date rate * Margins * Risk management & surveillance (exchange perspective) * RMS parameters * Margins * Surveillance * Clearing &

	<p>settlement mechanism * clearing entities * funds movement * mark-to-market process * membership structure in global commodity exchanges * The delivery mechanism in commodity markets, role of quality certification agencies, warehouses, delivery types (seller's option, both option, compulsory delivery), and the exchange delivery process itself * Concept of warehouse receipts * Dematerialisation and Rematerialisation in Commodities market * Dematerialization of warehouse receipts, and spot (physical commodity) market operations * Demonstration of MCX Trader's Workstation—the online trading platform</p>
Reference Books	<p>Commodity Derivatives” by Indian Institute of Banking and Finance, ISBN 9780230634152, Macmillan Publishers India, 2007</p>
	<p>Commodity Derivatives: Markets and Applications”, by Neil C.Schofeild, Published by John Wiley & Sons, ISBN:0470019107</p>
	<p>Commodities & Commodity Derivatives: Modeling and Pricing for Agriculture, Metal & Energy”, by Helyette Geman, Published by John Wiley & Sons, ISBN: 0470012188</p>
	<p>Introduction to Commodity Forwards and Futures”, by Prof.Christopher Culp, Published by JohnWiley & Sons, 2001</p>
	<p>Indian Commodity Market: Derivatives & Risk Management”, by Prof.Palanichamy, Dr.Shunmugam & Dr.Velmurugan.PS</p>
Open Resources	

SCOM18: INVESTMENT VALUATION

Soft Core

3 Credits

Prerequisites	Basics of investment
Learning Objectives	Enable students to develop financial models practiced in Industry. To provide students with practical knowledge on Valuing the Firm.
Learning Outcomes	Understanding the various investment valuation techniques
	Measuring the earning
	Valuation implications on market efficiency
Methodology	Teaching with visual aids
	Assignments and Tests
	Quiz sessions and Case Discussion
Unit I	Introduction to Valuation
	Approaches to valuation – Discounted Cash flow Valuation Relative Valuation –Contingent Claim Valuation Understanding financial statement – asset measurement and valuation-Measuring Finance Mix-Measuring earnings and profitability-Measuring risk
Unit II	Basics of Risk
	Equity Risk and expected return-Alternative models for equity Risk-Comparative analysis of equity risk models –Models of default Risk-Option Pricing Theory and Models Basics of Option Pricing-Determining option value-option pricing Models-Extensions of option Pricing Models.
Unit III	Market efficiency and Investment Valuation Implications of Market efficiency
	Testing Market efficiency-Market anomalies-Riskless rate and Risk Premium equity Risk Premium Default spread on Bonds-Cost of equity and Capital-Best Practices at firms.
Unit IV	Measuring earnings
	Adjusted Earnings-From earnings to Cash Flow-re investment Needs-Estimating Growth-Historical growth-Fundamental determinants of Growth-Closure in Valuation-survival Issue-Dividend discount models-Free cash flow to equity discount-firm valuation.
Unit V	Estimating equity value per share
	Fundamental principles of relative valuation-earnings multiples-book value multiples-revenue multiples and sector specific multiples-Valuing financial services firm-Valuing firms with negative of abnormal returns-valuing young or start up firms-Probabilistic approaches to valuation.
Reference Books	Damodaran Aswath Investment valuation “tools and techniques for determining the value of any asset Wiley India (P) Ltd.2012
	Simon Benninga “Financial Modeling” The MIT Press Cambridge Massachusetts 2008
	Krishna Palepu,Paul Healy Business Analysis and Valuation: Using Financial StatementsCengageLearnin, 2007
	Gottlieb Isaac, “Next Generation Excel: Modeling in Excel for Analysis and MBAs John Wiley and sons limited 2009

	Titman, Sheridan, Martin, JohnD, Valuation: The Art and Science of Corporate Investment Decisions, Addition-Wesley Series in Finance.
Open Resources	
Tools and Softwares	

SCOM19: FINANCIAL RISK MANAGEMENT

Soft Core

3 Credits

Prerequisites	Basic understanding of financial risk
Learning Objectives	The course aims at familiarizing the students with principle and practices of Financial Risk Management and enables them to develop decision-making skills in management risk.
Learning Outcomes	Measurement of various financial risk viz, equity, forex and commodity
	Application of risk management techniques
	Understanding the hedging techniques
Methodology	Teaching with visual aids
	Assignments and Tests
	Quiz sessions and Case Discussion
Unit I	Financial Risk
	Definition and evolving styles of risk management. Organizing for Financial Risk Management - Role of risk manager- policies-decision making and execution – Exposure to Risk and Diversification - specific and market risk-forecasting market movements. Forwards and Futures: market volatility.
Unit II	Managing Equity Risk
	Specific risks- managing market risk-Markowitz and Sharpe Single Index models. Managing Bond Risk - market conventions and yields-bonds with special features- yield curves- hedging with futures and options. Managing Interest Rate and Currency Risk - one period forwards and futures- interest options- currency options and hedging longer term interest rate and currency exposures
Unit III	Foreign Exchange Risk Management
	Various foreign exchange rate risk management strategies- foreign exchange market in India.
Unit IV	Emergence of Commodity Risk Management
	Basic understanding of commodities-investment opportunities in commodities in India-working of commodity exchanges- importance of risk management in commodity derivatives- future of commodity derivatives. Financial Risk Management: Case Studies
Unit V	Hedging and the “Greeks”
	“Greeks”- delta, gamma, vega, theta & rho, The basic Principle: Delta Hedging, Asset Mismatch, Maturity mismatch, basis risk, and minimum-variance hedging, Delta-Gamma hedging using options, Value at Risk.
Reference Books	Brain A. Eales Financial Risk Management. London:Mc Graw – Hill, 1995
	Steve L. Allen, Financial Risk Management: A Practitioner's Guide to Managing Market and credit risk, Wiley Finance
	Dun & Bradstreet, Financial Risk Management, TATA Mcgraw Hill
	Peter Christoffersen, Elements of Financial Risk Management, Academic Press
	Geoffrey Poitras, Commodity Risk Management: Theory and Application, Routledge

SCOM20: FORENSIC ACCOUNTING AND FRAUD RISK MANAGEMENT
Soft Core **3 Credits**

Prerequisites	Knowledge of Accounting and Statistics
Learning Objectives	To impart knowledge of using accounting and other tools to detect fraud and manage the fraud risk in the business organization.
Learning Outcomes	Fraud
	Investigating and Managing the Fraud
	Supporting the criminal Prosecution in case of need
Methodology	Teaching with visual aids
	Assignments and Tests
	Quiz sessions and Case Discussion
Unit I	Introduction
	Essence of Forensic Accounting – Forensic Accounting vs Traditional Accounting Application of Forensic Accounting. Forensic Accounting Skills – Auditing – Investigation – Risk Analysis – Criminology – Digital Forensics. Responsibilities Forensic Accountant – Consulting – Valuation – Non-authoritative Guidance.
Unit II	Fraud theories
	Fraud – Meaning -Types – Theories of Fraud - Fraud Triangle- Fraud Diamond – Fraud Pentagon – Fraud Hexagon - Fraud Tree. Fraud Schemes – Occupational Fra – Money Laundering – Organized Crimes - Victims. Internal Auditor – Roles Responsibilities – Liabilities. Forensic Auditing -Fraud Audit Report - Fraud Cont Theory.
Unit III	Fraud Risk Management
	Risks – Risk classifications. Risk of material misstatements - Type of misstatement Organizational Fraud Risk – Enterprise-wide risk – Business process risk – Fra penetration risk. Fraud Risk Detection and assessment - Risk Assessment Factor Fraud Prevention and Response – Fraud Deterrence- Fraud Deterrence Cycle.
Unit IV	Forensic Investigation
	Investigative Techniques- Analysis tool for investigator- Investigative Process – Gathering and Documenting Evidences - Rules of Evidence - Report of Investigation –Criminal Prosecution support.
Unit V	Forensic Analytics
	Basics of Data Mining – Structured vs unstructured data – Methods of data acquisition – Data visualization – Visual statistics - Time series analysis - Advances in IT systems– Basics of Machine Learning Algorithm – Neural Network Analysis.
Reference Books	Michael A. Crain, William S. Hopwood, Carl Pacini& George R. Young; Essentials Forensic Accounting; John Wiley & Sons, New Jersey, 2016.
	B. Lev. Financial Statement analysis; A New Approach, Prentice Hall
	Thomas W. Golden, Steven L. Skalak, Mona M. Clayton & Jessica S. Pill; A Guide Forensic Accounting Investigation; John Wiley & Sons, New Jersey; Second Editio 2011.

	Leonard W. Vona; Fraud Risk Assessment: Building a Fraud Audit Program; John Wiley & Sons, New Jersey, 2008.
	Howard Silverstone, Michael Sheetz, Stephen Pedneault & Frank Rudewi; Forensic Accounting and Fraud Investigation for Non-Experts; John Wiley & Sons, New Jersey; Third Edition, 2012.
	Felix I. Lessambo; Auditing, Assurance Services, and Forensics: A Comprehensive Approach; Palgrave Macmillan, 2018.
	Mark J. Nigrini; Forensic Analytics: Methods and Techniques for Forensic Accounting Investigations; John Wiley & Sons, New Jersey, 2011.
	Tommie W. Singleton & Aaron J. Singleton; Fraud Auditing and Forensic Accounting; John Wiley & Sons, New Jersey; Fourth Edition, 2010.
Open Resources	
Tools and Softwares	

SCOM21: PERSONAL FINANCE

Soft Core

3 Credits

Prerequisites	Basic knowledge on Income tax and investments
Learning Objectives	To find direction and guidance in one's financial decisions
	To understand how each financial decision affects other areas of finance
	To ensure the financial stability for adapting to life changes
Learning Outcomes	Knowledge on investment selections
	Investment evaluations
	Portfolio constructions
Methodology	Teaching with visual aids
	Assignments and Tests
	Quiz sessions and Case Discussion
Unit I	Introduction
	Savings-Investment-Advances for Investment-Selection of Advances-Mix for Portfolio of Such selected Advances- Criterion to be considered for investment-type of Securities- Income tax and personal finance of an individual.
Unit II	Investment in Government Securities
	PPF-NSC-NSS-Infra Structural-Bonds- Regulations-Governance.
Unit III	Investment in Post office and Bank Deposits
	All Types of post office related Deposits and all types of Bank Deposits including Deposits in corporate sector-Regulation –Governance.
Unit IV	Investment in Traditional Products
	Gold-Real estate-Mutual fund-return-Risk associated regulation –Criteria to be considered
Unit V	Investment in Equity shares
	Meaning Criteria-Risk & Return Associated- How to Select Share-Formation Portfolio.
Reference Books	Personal finance-Kapoor Jack.R, Diabay Les.R & Hughes Robert J, Tata Mc Graw-Hill Publishing Co Pvt Ltd- New Delhi
	Personal finance: Users Perspective-Joehnk Michael D & Gitman Lawrence J-Cengage learning India Pvt. Ltd, New Delhi
	Contemporary personal finance- Boone Louis & Kurtz David.L, Ra New Delhiomhouse business division, New Delhi
	Guide to personal finance-Stillman Richard J, Tata Mc Graw- Hill Publishing Co.Pvt.Ltd- New Delhi
	Theory and problem of personal finance & consumer economic , Rosenberg Robert R & Naples, Ralph.V, Tata Mc Graw- Hill Publishing Co.Pvt. Ltd- New Delhi.
	Personal finance Planning- Gitman Lawrence J, Dryden Press
Open Resources	
Tools and Softwares	

SCOM22: EQUITY DERIVATIVES

Soft Core

3 Credits

Prerequisites	Basic Knowledge of finance and Mathematics
Learning Objectives	To help students understand the concepts and equip them to take investment and trading positions in the options and futures market.
Learning Outcomes	Explain the need to hedge
	Calculate the payoffs one can receive through options
	Make option strategies
Methodology	Lecture
	Case Study
	Spreadsheet Modelling
Unit I	Introduction to derivatives: meaning and purpose of derivatives; forward contracts Future contracts options, swaps and other derivatives; Type of trader; Trading future contracts; Specification of the future contracts; Operation of margins, Settlement, and regulations. - Derivatives Market in India: –regulation, working, and trading activity.
Unit II	Futures: Hedgers and speculators; Future contracts; Future market –clearing house margins, trading future positions and taxation; Future prices and spot prices; Forward prices; vs. future prices; Futures vs. options
Unit III	Options Types of options; Options trading; Margins; Valuation of options; Binomial Option; Pricing Modal; Black -Scholes model, for Call Option; Valuation of put Options; Index options; options market exchange-traded options, over-the-counter options, quotes trading, margins, clearing, regulation, and taxations; Warrants and convertibles
Unit IV	SWAPS Mechanics of interest rate swaps, valuation of interest rate, swaps currency swaps, and valuation credit risk and swaps.
Unit V	Derivatives Accounting & Taxation: scope and importance - Accounting & Taxation practices of Derivatives – Accounting Standard - reporting practices
Reference Books	Dhanesh Khatri, derivatives and Risk management, macmillan Publishers India Ltd, 2012.
	John C. Hull, SankarshanBasu, Options, Futures and other Derivatives, Pearson Education, Noida 2010
	Stafford Johnson, Introduction to Derivatives, Oxford University Press, 2009

	David A & Thomas W. Miller, Derivatives valuation and Risk Management, Oxford University Press 2003.
	Rene M. Stuly, Risk Management & Derivatives, Thomson south Western, 2007.
Open Resources	https://nptel.ac.in/courses/110/107/110107128/
Tools and Software	Spreadsheet Modelling

SCOM23: MERCHANT BANKING AND FINANCIAL SERVICES
Soft Core **3 Credits**

Prerequisites	Basic Understanding about the financial intermediaries
Learning Objectives	Aimed to equip students to with various financial services to provide advice or to get jobs into the companies, which are specializing in it
Learning Outcomes	Role and responsibilities of Merchant Banker, Rules and Regulations relating to Merchant banking in India
Methodology	Chalk and talk, Presentation, Assignment
Unit I	Merchant Banking Meaning; Origin; Merchant Banks and Commercial Banks; Services of Merchant Banks; Regulations - SEBI, Companies Act 2013, Stock and commodity Exchanges; Merchant Banking in India – Registration, Licensing procedure and Challenges
Unit II	Financial Services Fee based Services – Merchant Banking Services – Issue of Securities – IPO – FPO – (Application Supported by Blocked Amount) ASBA – Book Building – Buyback of Shares – Depositories – Debenture Trusteeship – Stock Broking Services - Portfolio Management – Fund Based Services – Lease Financing – Hire Purchase – Bill Discounting – Factoring – Forfeiting – Wealth Management
Unit III	Underwriting Meaning and Nature of Underwriting; Forms of Underwriting; Need and Significance of Underwriting; Underwriting of Capital Issues in India; SEBI’s Guidelines on Underwriting
Unit IV	Credit Rating Meaning and Functions of Credit Rating; Significance of Credit Rating; Credit Rating in India; Rating Process and Methodology; Credit Rating Agencies in India; Limitations of Rating; Future of Credit Rating in India
Unit V	Stock Broking & Depository services Introduction; Stock Brokers; Sub-Brokers; Foreign Brokers; Stock Market Trading. Depository services: Meaning and Objectives of Depository Services; Depository Process; Trading in a Depository System; Depository System in India; Depository Institution in India; SEBI Regulations
Reference Books	L M Bhole& Jitendra Mahakud, Financial Institutions and Markets: Structure, Growth & Innovations, Mcgraw Hill Education (India) Private Limited Clifford Gomez, Financial Markets, Institutions, and Financial Services, PHI Learning Private Limited Bharati V. Pathak, The Indian Financial System: Markets, Institutions and Services Pearson Publication Das, Subhash Chandra, The Financial System In India: Markets, Instruments, Institutions, Services and Regulations, PHI Learning Private Limited

	Sunil Parameswaran, Fundamentals of Financial Instruments: An Introduction to Stocks, Bonds, Foreign Exchange and Derivatives, Wiley Finance
Open Resources	
Tools and Softwares	

SCOM24: CORPORATE GOVERNANCE

Soft Core

3 Credits

Prerequisites	Basic knowledge on Corporate Finance & Companies Act 2013
Learning Objectives	To provide an in-depth study of the evolution and development of corporate Governance along with the issues and practices that governs corporate sectors.
Learning Outcomes	<ol style="list-style-type: none"> 1. Understand the concepts of corporate governance 2. Value the shareholder and stakeholder rights and responsibilities 3. Relationship between Corporate Governance, Corporate Finance, Investments and Shareholders wealth maximising 4. Solve case studies in the field of corporate governance and apply knowledge to different cases
Methodology	Lectures, Assignments, Case discussion
Unit I	Conceptual framework of corporate governance
	Theories – Evolution – Principles of corporate Governance - Economic of organization and information – understanding of the shareholder VS stakeholder concept of governance.
Unit II	Corporate and Board Management
	Corporate Ownership structure- Board of directors: types of directors - role, composition, systems and procedures – Functional committees – executive remunerations
Unit III	Legal and regulatory framework of corporate Governance
	Legislative provisions of corporate governance in India: Companies Act 2013, LODR – legislative framework in US, UK and other developed nations
Unit IV	Board Committees and role of professionals
	Need – Functions – Advantages – scopes and constitution of Board Committees, Board Charter – terms of reference and accountability and performance appraisals – independence - role of professionals in board committees.
Unit V	Corporate Governance Codes and Practices
	Major expert Committees reports – case studies on corporate governance – Indian and overseas perspective – value creation through corporate Governance - corporate governance rating
Reference Books	1. A.C. Fernando, Corporate Governance, Principles, policies and Practices –, Pearson Education
	2. Neeti Shikha, Geetanjali Sharma, Corporate Governance in India: Principles and Policies, CENGAGE Publication.
	3. Indian Institute of Corporate Affairs, Corporate Governance, Taxmann
	4. Neil Minow Robert A. G. Monks, Corporate Governance, 4 th Edition, Wiley India Private Limited.
	5. Companies Act 2013 and Rules; SEBI (Listing Obligations and Disclosure Requirements) Regulations, 2015; Journal and E-Bulletin “Chartered Secretary” and “Student Company Secretary” published by

	ICSI
Open Resources	Newspapers and magazines, Corporate Governance –National Portal of India

SCOM25: STRATEGIC FINANCIAL MANAGEMENT

Soft Core

3 Credits

Prerequisites	Basic knowledge about strategic management
Learning Objectives	It is to familiarize the students with the concepts and approaches of managing corporate finance from a Strategic perspective.
Learning Outcomes	Effective application of strategies
	Making strategic decisions
Methodology	Lecture
	Case study and discussions
Unit I	Title: Financial Policy and Corporate Strategy
	Contents: strategic decision-making framework, the interface of financial policy and strategic management, balancing financial goal and sustainable goals.
Unit II	Title: Risk Analysis in Capital Budgeting
	Cash flow projection - Impact of taxation, depreciation, inflation and working capital, capital budgeting decision: certainty equivalent approach, evaluation of risky investment proposal, simulation and decision tree analysis, sensitivity analysis, capital rationing, adjusted net present value, replacement decision and application of real options in capital budgeting. Preparation of project report.
Unit III	Title: Leasing decision including cross-border leasing:
	Contents: Leasing: concepts, types, importance, benefits and limitation, lease evaluation. Cross border leasing
Unit IV	Title: Mergers and acquisition:
	Contents: Meaning, process and types, legal and regulatory requirements. Merger acquisition agreement. Adverse competitive effects of a merger. Corporate takeovers: coinsurance effects cross border takeover, forms of takeover and takeover defenses, control transaction: leveraged buyout, management buyout, spin-off, and asset divestiture.
Unit V	Capital Restructuring
	Contents: concepts, types and importance, legal aspects. Refinancing and rescue financing, reorganization of debtors and creditors, sale of assets and targeted stock offerings, downsizing and layoff programs, negotiated wage give-back, employee buyouts.
Reference Books	Prasanna Chandra Financial Management: Theory and Practice. New Delhi: Tata Mc Graw Hill
	Tony Grundy, Gerry Johnson & Kevan Scholes Exploring Strategic Financial Management Europe: Prentice-Hall.
	SOFAT, RAJNI, HIRO, PREETI Strategic Financial Management PHI Learning Private Limited

	CMA KALYANI KARNAStrategic Financial ManagementCorporate Plus Publications Private Limited
	CA Dr. K.M. Bansal, CA Anjali Agarwal Strategic Financial Management Taxmann
Open Resources	https://nptel.ac.in/courses/110/108/110108047/
Tools and Software	Spider impact KPI fire

SCOM26: MULTINATIONAL FINANCIAL MANAGEMENT
Soft Core **3 Credits**

Prerequisites	Understanding of Financial Management and International Finance
Learning Objectives	To develop basic understanding on financial management of MNC's with special emphasis on cost of capital, Portfolio investment, International taxation and managing political risk
Learning Outcomes	To enable students to understand the basics of Multinational Financial Management To enable students to demonstrate an understanding of the international portfolio, capital structure and working capital management.
Methodology	Course activities consist of lectures, case study analysis, group discussions, seminar, Presentation, assignment writing and tests. Solving problems and evaluating decisions involving the financial data will be integral part of instruction
Unit I	Organisational Set up of Banks
	Growth and Importance of Multinational finance – Theory of Comparative Advantage – Goals of International Finance Management, Globalization of the world economy and major trends – Significance of Multinational corporations – FDI Global trends in FDI, Reasons for investing overseas – Cross – border mergers and acquisitions; Political risk and FDI - : measurement and management of political risk
Unit II	International Portfolio Investment and its benefits
	International diversification through country funds, ADRs and ETFs
Unit III	International Capital Structure and Cost of Capital
	International capital budgeting – Discounting and non-discounting methods – Capital budgeting from the parent firms perspective
Unit IV	Multinational Working Capital Management
	Short term overseas financing sources, Management of international cash balances, inventory & account receivables.
Unit V	International trade finance
	Letter of credit, Forfeiting, Countertrade, Government assistance for exporting; International tax environment – objectives on international taxation – types of taxation – national tax environment – tax heavens – controlled foreign corporation; Transfer pricing and related issues.
Reference Books	Apte P.G. International Financial Management, Tata McGraw hill New Delhi. 2009 5 th edition
	Shaprio, Alan C: Multinational Financial Management Prentice Hall, New Delhi, 2009 9 th edition
	Cheol S. Eurn, Bruce G. Resnick, International Financial Management, Mc Graw – Hill- Irwin, 5 th edition - 2009

	Buckley, Adrian multinational finance, Prentice Hall New Delhi. 5 th edition
	Maurice. D. levi, International finance – the markets and financial management and multinationalbusiness, Mc Graw Hill, Inc, 3 rd edition, ISBN -0-07-037687-5
Open Resources	

SCOM27: FUND MANAGEMENT IN COMMERCIAL BANKS

Soft Core

3 Credits

Prerequisites	Understanding of Financial Management, Financial Accounting and Financial Market
Learning Objectives	The course is designed to provide conceptual and practical understanding of the principles and technique involved in the management of banking institutions
Learning Outcomes	To enable students to understand the general banking scenario in India To enable students to demonstrate an understanding of the financials of the bank. The student will also acquaint himself with practical banking application and the regulation governing this sector.
Methodology	Course activities consist of lectures, case study analysis, group discussions, seminar, Presentation, assignment writing and tests. Solving problems and evaluating decisions involving the financial data of selected banks will be integral part of instruction
Unit I	Organisational Set up of Banks
	Board of Directors; Functions; Duties and Responsibilities; Statutory Provisions Regarding Board of Directors in State Bank of India and other Commercial Banks and Development Banks.
Unit II	Liquidity Management
	General Principles; Territories of Bank Liquidity; Properties in the use of Funds; Resource Allocations in Commercial banks and Development Banks; Management of Cash.
Unit III	Management of Capital Funds
	Functions; Necessity; Adequacy; Present Positions of Capital Funds in Indians Banks; Problems and Prospects of Capital Management in Commercial and Development Banks.
Unit IV	Management of Deposits and Primary Reserves
	Factors Influencing the Level of Individual Bank's Deposits; Legal Reserves; Forces Influencing Level of Working Reserve; Nature of Secondary Reserves; Functions and Management of Secondary Reserves.
Unit V	Management of Loans
	Characteristics of Commercial Bank Loans in India; Cardinal Principles of Sound Bank Lending; Loan Policy; Evaluating Credit Worthiness of Applicants; Supervision and Organisation of Bank Lending.
Reference Books	Kanhaiya Singh, Commercial Bank Management Mcgraw Hill Education
	Johannes Wernz, Bank Management and Control: Strategy, Capital and Risk Management Springer
	Bharati V. Pathak, The Indian Financial System: Markets, Institutions and Services Pearson
	IIBF, Bank Financial Management, Macmillan Education India
	Sujatra Bhattacharyya, Indian Financial System, Oxford University Press
Open Resources	www.imf.org , www.bis.org

SCOM28: ENTREPRENEURSHIP

Soft Core

3 Credits

Prerequisites	Basic knowledge about project finance
Learning Objectives	To enrich the students on various aspects of establishing and managing SME's and managing finances.
Learning Outcomes	Apply principles in the entrepreneurial and family business
	Preparing a startup business plan
	Defending the business plans
Methodology	Lecture
	Case studies
	Making sample projects for funding
Unit I	Introduction Meaning and Importance, Evolution of term 'Entrepreneurship', Factors influencing entrepreneurship': Psychological factors, Social factors, Economic factor, Environmental factors; Characteristics of an entrepreneur, Entrepreneur and Entrepreneur, Types of entrepreneur: According to Type of Business, According to Use of Technology, According to Motivation, According to Growth, According to Stages; .New generations of entrepreneurship viz. social entrepreneurship, Edupreneurship, Health entrepreneurship, Tourism entrepreneurship, Women entrepreneurship etc; Barriers to entrepreneurship.
Unit II	Entrepreneurial Motivation and Creativity Motivation, Maslow's theory, Herjburg's theory, McGragor's Theory, McClelland's Need – Achievement Theory; Culture & Society; Values / Ethics; Risk taking behavior; Creativity: Creativity and entrepreneurship, Steps in Creativity, Innovation and inventions: Using left brain skills to harvest right brain ideas, Legal Protection of innovation, Skills of an entrepreneur, Decision making and Problem Solving (steps indecision making)
Unit III	Support and Assistance Assistance to an entrepreneur; New Ventures, Industrial Park (Meaning, features, & examples), Special Economic Zone (Meaning, features & examples), Financial assistance by different agencies, MSME Act Small Scale Industries, Carry on Business (COB) licence, Environmental Clearance, National Small Industries Corporation (NSIC), Government Stores Purchase scheme (e-tender process), Excise exemptions and concession, Exemption from income tax, Quality Standards with special reference to ISO, Financial assistance to MSME, Modernisation assistance to small scale unit,
Unit IV	Supporting Organisations

	The Small Industries Development Bank of India(SIDBI), The State Small Industries Development Corporation(SSIDC), Export oriented units: Incentives and facilities to exports entrepreneurs, Export oriented zone, Export-Import Bank of India; Shilpabandhu-M Incentives for entrepreneurs State Industrial Development Corporation (SIDC), State Financial Corporation (SFCs); Directorate General of Supplies and Disposals(DGS & D) : Registration with DGS & D, Registration Categories, Registration Procedure 4.21.4 Benefits of DGS & D, Information facilities centre in DGS & D: Khadi and Village Industries Commission (KVIC): Industrial Estate: Financing of Industrial Estates
Unit V	Project Report Introduction, Idea Selection, Selection of the Product / Service, Aspects of a Project, Phases of a Project, Project Report,Contents of a Project Report, Proforma of a Suggested Project Report for a manufacturing Organization, Small Businesses.
Reference Books	Chaudhary, S: Project Management, Tata McGraw Hill, New Delhi. Vasant Desai, <i>The Dynamics of Entrepreneurial Development and Management</i> , Himalaya Publishing House, 2009. Timothy, D.R., and W.R. Sewell: Project Appraisal and Review, Macmillan, India. David I Cleloyd, " Project Management" McGraw Hill, New Delhi 1999 Poornima M. Charantimath, 'Entrepreneurial Development And Small Business Enterprises", Pearson Education Licensee, New Delhi 2006.
Open Resources	https://onlinecourses.nptel.ac.in/noc20_ge08/preview
Tools and Software	Wave accounting Wix (website building software)

SCOM29: INTERNATIONAL ACCOUNTING

Soft Core

3 Credits

Prerequisites	Basic knowledge on accounting standard including IFRS
Learning Objectives	To expose students to the prevailing International Accounting Systems
	To increase the employability of students in MNCs
Learning Outcomes	Understand the concepts of International accounting system
	Identifying the country differences in accounting practices
	Comparative analysis of major accounting issues
Methodology	Teaching with visual aids
	Assignments and Tests
	Quiz sessions and Case Discussion
Unit I	International Dimensions of Accounting
	Introduction-Definition-Importance-Scope of international Accounting-Status of International Accounting Education: World Scenario in India-Internationalization of the Accounting Profession: Introduction-The Accounting Profession in Selected Countries-Internationalization of the Profession- International Dimensions of Financial Reporting: Introduction Variables that influence Transnational reporting-Reporting practices-International Financing Reporting System(IFRS)-Salient Features –Need-Provisions-Applications in India-USA-UK and other Countries
Unit II	Country Differences and Harmonization of Accounting Practices
	Accounting differences-Why National Practices differ-How Practices differ-How differences are addressed(Harmonization)Concept of Harmonization-Need for Standardization-Impediments to Standardization- Endeavors towards Harmonization-Institution-IASC-The European Union-UN
Unit III	International Accounting Standards Committee
	Origins & Operations-Achievements- Current Issues – The Standards - Components and Structure of Financial Statements-Balance sheet items – Income Statement Items-Consolidated Financial Statements-Cash flow Statement-Requirements relating to particular Enterprises
Unit IV	Comparative Analysis of Major Accounting Issues
	Legal basis of Accounting regulation-Existence of a Conceptual Frame work-Additional components of Financial Statements- General Approaches Asset Valuation-Internally Generates intangibles & Research & Development-Goodwill-Tangible Fixed Assets-Investments-Current assets-leases-Provisions-Deferred taxes
Unit V	Accounting Differences and Financial Statement Analysis
	Different approaches to Analysis-The place of Financial ratios-Factors that Generate Differences: Presentation of Financial Statements-Methods of Financing –[Main problems in Financial Statement Analysis-Scope of Consolidation –Revaluation of Assets-Depreciation and Provisions-Leasing – Accounting for goodwill-Deferred Taxation –Capitalized Expenses-Transactions in Foreign Currencies-Extraordinary and Exceptional items-Changes in Accounting Principles OR Generally Accepted Accounting Practices(GAAP) India-USA-UK-Germany-France-Japan

Reference Books	International Accounting, Mohapatra Das.A.K., Prentice Hall of India, New Delhi
	International accounting, Rathore, Shirin, PHI learning, New Delhi.
	International Accounting-Peter Walton, International Thomson Business press
	International accounting a user perspective-Saudagaran, Shahorkh.M, Cengage Learning India Pvt. Ltd, New Delhi
	Comparative international accounting -Nobes Christopher & Parker Robert, Research Education Asia, New Delhi
Open Resources	
Tools and Softwares	

SCOM32: VALUE ADDED COURSE**Soft Core****3 Credits**

For acquiring 3 credits, courses should be selected which has minimum 12 hour per week from any one the following institutes. Prior registration and approval with the Department is a must for getting credit.

Prerequisites	As per the Requirements of the course floated on the online platforms
Learning Objectives	The student has to register and complete a certification course offered by any one of the online platform (certification from any one module)
Learning Outcomes	Student can opt their subject based on their interest & Requirements
Methodology	As adopted by the respective courses
Option I	NISM
Option II	NSE – NCFM
Option III	Indian Institute of Banking and Finance
Option IV	MCX – Commodity Professionals
Option V	BSE Institute Limited (bsebti.com)
Open Resources	Respective websites of the Institute
Tools and Softwares	

SCOM33: SUMMER PROJECT AND VIVA – VOCE**Soft Core****3 Credits**

Prerequisites	Knowledge on Accounting, Finance, Stock Market, Banking and Insurance.
Learning Objectives	This paper aimed to equip student with the advances and industry specific activities of the business through research or internship and apply the theoretical knowledge learned.
Learning Outcomes	Students will be equipped with practical skills and knowledge.
Methodology	The students are expected to undertake either internship or research project (may be primary or secondary source based) in any one of the areas of Finance, Accounting, and Taxation at the end of II semester during summer vacation for 45 days.
	Report is to be submitted in the third semester, which will be evaluated along with the III Semester examination.
	Project report evaluation consists of both internal and external marks of 40 and 60 respectively.
	Internal marks of 40 would be awarded based on two presentations (mid term and final) to be made by students in the presence of all the faculty members of the department. Each presentation would carry 20 marks.
	Final report can be submitted only when student has made two presentations; if any student fails to make two presentations then he/she will have to repeat in the next year when this paper is offered.
	Final report would be evaluated for 60 marks, based on the quality of report and performance in viva.
	All faculty of the department with external examiners will hold viva voce examination.
	Any student who fails in “project report” is expected to redo the entire process in the next year when paper is offered.

SCOM34: CONTEMPORARY LEGAL FRAME WORK

Soft Core

3 Credits

Prerequisites	Basics of Corporate Laws
Learning Objectives	To give an overview about contemporary legislation very well applicable to Modern Business units
Learning Outcomes	Understanding the various Laws that are applicable to business entity
	Basics provisions of the enactment and its scope
Methodology	Teaching with visual aids
	Assignments and Tests
	Quiz sessions and Case Discussion
Unit I	Competition Law
	Anti Competitive agreements – prohibitions of abuse of dominant position – combinations – competition Commission of India – Inquiry into certain agreements and dominant position – inquiry on complaints u/s 19 – power to grant interim relief power to forward compensation – Execution of orders of commission – appeal duties of Director – general penalties – Competition advocacy
Unit II	Foreign Exchange Management Act
	Objective and definitions under FEMA – Dealings in foreign exchange – holding of foreign exchange etc. current account transactions, capital account transactions – export of goods and service realization and repatriation of foreign exchange – Exemptions authorized person – penalties and enforcement – Compounding of offences - Directorate of enforcement – Appellate Tribunal etc.
Unit III	Environmental Legislation
	Legal and regulatory frame work – procedures for obtaining various environment clearances – role and function of Environment of Environment Tribunal / Authority – Appearance before Environment Tribunal / Authority – Environment Audit. Enforcement of International Environmental law: Kyoto protocol norms. Water: water and environment (Protection) law – various Boards and their functions and powers; duties of occupier of specified industries to ensure adherence to standards; offence by companies. Air pollution: Concept of sustainable development, Government policy regarding environment – salient features of the Air (Prevention and control of pollution) law
Unit IV	Consumer Protection Act
	Genesis of the law – objects and definitions – Rights of consumers under the Consumer Protection Act – Nature and scope of remedies – Consumer protection – appearance before consumer dispute Redressal Forums.
Unit V	Insurance Law Current Legal Environment
	Insurance Act 1938 (as amended) & Insurance Regulatory & Development Act – An overview - Insurance Sector Reforms – The Insurance Regulatory Development Authority (IRDA) Act, 1999– ARDA (Investment) Regulations

	2000 – IRDA Guidelines for insurance Brokers Securities and Exchange Board of India (SEBI) Act, 1992 – SEBI Guidelines.
Reference Books	Kapoor, N.D. “Elements of mercantile laws”, Sultan Chand & Sons New Delhi
	Maheshwari, S.N & Maheshwari, S.K “ A Manual of Business laws”, Himalaya Publishing House, Bombay
	K.C Mishra and M. Bakshi, legal and Regulatory Aspects of Insurance, CENGAGE learning, Delhi
	Kenneth A. Abraham, Kenneth S. Abraham Insurance laws and Regulation: Cases and Material, Foundation Press
	Lew, Julton D.M and Clive Stand Brook (eds), International Trade Law & Practice, Euromoney Publications, London
Open Resources	
Tools and Softwares	