



Guru Gobind Singh Indraprastha University
Sector – 16C Dwarka, New Delhi – 110078

(Coordination Branch)

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F.No.: GGSIPU/Co-ord./51st AC/2021/ 202

Dated: 16th August 2021

Circular

Please find enclosed herewith the Final minutes of the 51st meeting of the Academic Council of the Guru Gobind Singh Indraprastha University held on 11/08/2021 at 10:30 AM on Cisco Webex platform.

Ravi Dadhich
(Ravi Dadhich)
Registrar

To,

1. Dean- USBAS/ USBT/ USCT/ USEM/ USICT/ USHSS/ USMC/ USLLS/ USM&PMHS/ USMS/ USAP/ USE, GGSIP University
2. Director- Academic Affairs/ Coordination/ Students' Welfare/ CDMS/ Development/ International Affairs/ CEPS/ Research and Consultancy/ Legal Aid / IUIIC, GGSIP University
3. Librarian, GGSIP University
4. Prof. J.L. Gupta, Delhi University, Resi: CP-18, Maurya Enclave, Pitampura, Delhi-110034
5. Dr. S.P.S Bakshi, Past President, Central Council of Homeopathy, A-51 South Extension Part-1, New Delhi-110049
6. Dr. Mahesh Patel, Professor of Pathology, B. J. Medical College Civil hospital Ahmedabad-380016. Resi: F001, Shilalekh Society, Shahibaug, Ahmedabad-380004
7. Dr. Ashok Chakradhar, Former Head, Department of Hindi, Jamia Millia Islamia, Resi: J-116, Sarita Vihar, New Delhi-110076
8. Prof. M.L. Singla, Faculty of Management Studies, University of Delhi, Resi: 23/4, Cavalry Lines, Delhi University Campus, Delhi-110007
9. Prof. Rajiv Kapoor, Department of Electronics and Communication Engineering, Delhi Technological University, Shahbad Daultpur, Bawana Road, Delhi-110042
10. Dr. Sanjeev Kumar Singhal, CA, Member Central Council, The Institute of Chartered Accountants of India, New Delhi, Resi: C-2/164 West Enclave Pitampura Delhi-110034
11. Prof. (Dr.) Sangeeta Talwar, Director – Principal, Maulana Azad Institute of Dental Sciences, MAMC Complex, BSZ Marg, New Delhi-110002
12. Prof. (Dr.) Alka Chawla, Campus Law Centre, Faculty of Law, University of Delhi, Delhi-110007
13. Sh. Ashish Gupta, Chairman, Northern Chapter, The Indian Institute of Architects, 3/19, Basement, Nehru Enclave, New Delhi-110019
14. Prof. M. Afzal Wani, University School of Law and Legal Studies, GGSIP University
15. Prof. Prodyut Bhattacharya, University School of Environment Management, GGSIP University
16. Prof. Amit Prakash Singh, University School of Information Communication & Technology, GGSIP University
17. Prof. Shalini Garg, University School of Management Studies, GGSIP University
18. Prof. Lisa P. Lukose, University School of Law and Legal Studies, GGSIP University
19. Prof. M.N. Hoda, Director, Bharti Vidhyapeeth's Institute of Computer Application & Management, A-4, Paschim Vihar, Rohtak Road, New Delhi-63
20. Prof. Sonia Jindal, Principal, Gitarattan Institute of Advanced Studies and Training, Rohini, Delhi-85

21. Prof. Ravi K. Dhar, Director, Jagannath International Management School, OCF, Pocket-9, Sector-B, Vasant Kunj, New Delhi-110070
22. Prof. Maharaj Krishen Bhat, Director, Maharaja Agrasen Institute of Management Studies, Maharaja Agrasen Camp, Plot No. 1, Sec-22, Rohini, Delhi

Copy for information of the Competent Authority:

- (i) AR to the Vice Chancellor, GGSIP University
- (ii) AR to the Registrar, GGSIP University



(Shikha Agarwal)
Dy. Registrar (Coordination)

**GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY
SECTOR – 16 C, DWARKA, NEW DELHI - 110078**



FIFTY ONE (51st) MEETING OF THE ACADEMIC COUNCIL

DATE : 11.08.2021

TIME : 10:30 AM

ONLINE ON CISCO WEBEX PLATFORM

MINUTES

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S. No.	Agenda Item(s) No.	Particulars	Page No.
01	AC 51.01	To confirm the minutes of the 50th meeting of the Academic Council held on 11.06.2021.	06
02	AC 51.02	To report action taken on the minutes of 50 th meeting of the Academic Council held on 11.06.2021.	06
03	AC 51.03	To consider and approve the creation of teaching posts for two newly established University School of Studies (USS) at East Campus of GGSIP University, Surajmal Vihar.	06
04	AC 51.04	To approve Framework of the Scheme of Examination and Syllabi for B. Tech. / M. Tech. (Dual Degree) Programmes (1-4 year & 1-2 year) offered by University School of Information, Communication & Technology (USIC&T) w.e.f. Academic Session 2021-22.	06
05	AC 51.05	To approve Framework of the Scheme of Examination and Syllabi for B. Tech. / M. Tech. (Dual Degree) Programmes (1st to 4th year) offered by University School of Automation & Robotics (USAR) w.e.f. Academic Session 2021-22.	07
06	AC 51.06	To approve correction in Scheme & Syllabus of 2nd, 3rd & 4th Semester of Master of Computer Applications in Software Engineering (MCA-SE) offered at University School of Information, Communication & Technology (USIC&T) w.e.f. Academic Session 2020-21.	07
07	AC 51.07	To approve Summer Training / Industrial Training after 4th and 6th Semester in the B. Tech. Programme under USIC&T – modalities for the same during Pandemic (Covid-19) Situation.	07
08	AC 51.08	To consider and approve the revised Ph.D. Course work in Education offered at University School of Education (USE) w.e.f. Academic Session 2021-22.	07
09	AC 51.09	To consider and approve the revised Scheme and Syllabus of M. Ed. programme offered at University School of Education (USE) w.e.f. Academic Session 2021-22.	08
10	AC 51.10	To consider and approve the revised Scheme and Syllabus of B. Ed. programme w.e.f. Academic Session 2021-22.	08
11	AC 51.11	To ratify the revised Codes of Ph.D. Course Work offered at Centre for Disaster Management Studies (CDMS).	08



S. No.	Agenda Item(s) No.	Particulars	Page No.
12	AC 51.12	To consider and approve the revision in the syllabus of CET for M.Phil. (Clinical Psychology) Programme w.e.f. Academic Session 2022-23.	08
13	AC 51.13	To consider and approve the revised Syllabus of B.Sc. (Nursing) Programme w.e.f. Academic Session 2021-22.	08
14	AC 51.14	To consider and approve the Scheme and Syllabus of Bachelor of Pharmacy (B. Pharm) programme.	08
15	AC 51.15	To consider and approve the Inclusion of NSS/NCC for 2 credits as NUES for all programmes run by USS and affiliated colleges of GGSIP University w.e.f. Academic Session 2021-22.	09
16	AC 51.16	To consider and approve the dropping of Mandatory Paper passing clause only for the batch admitted in 2014, in the first year for Bachelor of Technology programme offered at the affiliated institutions of the University.	09
17	AC 51.17	To consider and approve the Scheme and Syllabus of one year Post-Graduate Diploma in Equity Research (PGDER) offered by University School of Management Studies (USMS).	09
18	AC 51.18	To consider and approve the Scheme of Examination for 08 (eight) semesters outline the broad framework for Bachelor of Design (B. Design) Programme and syllabus for First and Second Semester.	09
		Any Other Item	10

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Additional Agenda Item No. AC 51.15: To consider and approve the Inclusion of NSS/NCC for 2 credits as NUES for all programmes run by USS and affiliated colleges of GGSIP University w.e.f. Academic Session 2021-22.

The Academic Council deliberated and approved the Inclusion of NSS/NCC for 2 credits as NUES for all programmes run by USS and affiliated colleges of GGSIP University w.e.f. Academic Session 2021-22 (batch).

It was also decided that the guideline for the award of credits for other activities like NSO and club under Srijan, and Youth of Education shall be formulated so that the same may be also be included.

Additional Agenda Item No. AC 51.16: To consider and approve the dropping of Mandatory Paper passing clause only for the batch admitted in 2014, in the first year for Bachelor of Technology programme offered at the affiliated institutions of the University.

The Academic Council considered and approved the dropping of Mandatory Paper passing clause only for the batch admitted in 2014, in the first year for Bachelor of Technology programme offered at the affiliated institutions of the University. The effective date of grant of degree subject of fulfillment of other criteria for the award of the degree shall be the date of approval of the last result of the student.

Additional Agenda Item No. AC 51.17: To consider and approve the Scheme and Syllabus of one year Post-Graduate Diploma in Equity Research (PGDER) offered by University School of Management Studies (USMS).

The Academic Council considered and approved the Scheme and Syllabus of one year Post-Graduate Diploma in Equity Research (PGDER) offered by University School of Management Studies (USMS).

Additional Agenda Item No. AC 51.18 To consider and approve the Scheme of Examination for 08 (eight) semesters outline the broad framework and syllabus for First and Second Semester for Bachelor of Design (B. Design) Programme.

The Academic Council deliberated and considered the 1st semester scheme and syllabus to start the programme from Academic Session 2021-22.

Further, It was also decided that once the faculty of concerned school shall be in place, the scheme and syllabus of the B. Design programme shall be reviewed.



SCHEME OF EXAMINATION

&

SYLLABUS

OF

POST GRADUATE DIPLOMA IN EQUITY RESEARCH

for

Academic Session 2020-21 Onwards

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY
Sector-16 C, Dwarka, New Delhi-110078 (INDIA).
www.ipu.ac.in

Entrepreneurship | Employability | Skill Development

Approved in the Academic Council Meeting 51st meeting held on 11/08/2021 vide agenda item 51.17 w.e.f. 2020

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, NEW DELHI
POST-GRADUATE
DIPLOMA IN EQUITY RESEARCH

(PGDER) PROGRAM OUTCOMES (POs)

PO1: Generate creative, innovative, and robust solutions to predict the returns and volatility in the equitymarkets.

PO2: Apply knowledge generated through equity research for maximization of returns in the global equitymarkets.

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, NEW DELHI

Criteria for Electives and Assessment

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

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

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

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

1. Class Test-I - 15 marks

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

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

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

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

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

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, NEW DELHI

POST GRADUATE DIPLOMA IN EQUITY RESEARCH

FIRST SEMESTER

Code No.	Course Name	L	T/P	Credits	Type of Course
PGDER-101	Financial Markets and Institutions	3		3	Core
PGDER -103	Personal Finance Skills	2	2	3	Skills
PGDER -105	Business Communication and Managerial Skill Development	2	2	3	Skills
PGDER -107	Management Process and Organizational Behaviour	3		3	Core
PGDER -109	Cyber Security	3		3	Core
PGDER -111	Investment Research Skills-I	2	2	3	Skills
PGDER -113	Field Training and Project Work		12	12	Skills
	Semester Credits	15	18	30	

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, NEW DELHI

POST GRADUATE DIPLOMA IN EQUITY RESEARCH

SECOND SEMESTER

Code No.	Course Name	L	T/P	Credits	
PGDER-102	Investment Analysis and Portfolio Management	3		3	Core
PGDER - 104	Macro and Mathematical Economics	3		3	Core
PGDER - 106	Financial Modelling	2	2	3	Skills
PGDER - 108	Advanced Technical Analysis	2	2	3	Skills
PGDER - 110	Sustainable Finance	3		3	Core
PGDER - 112	Behavioural Finance	2	2	3	Skills
PGDER - 114	Investment Research Skills-II	2	2	3	Skills
PGDER - 116	Major Project Work		12	12	Skills
	Semester Credits	17	20	33	

Total Credits = 63

To obtain the degree, the student shall require 63 Credits

FIRST SEMESTER

Approved in the Academic Council Meeting 51st meeting held on 11/08/2021 vide agenda item 51.17 w.e.f. 2020

Financial System

Course Code: PGDER-101

L – 3, Credits – 3

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

COURSE OUTCOMES (COs)

CO1: To provide the student a basic knowledge of financial markets and institutions and to familiarize them with major financial services in India.

Course Content

Unit I:

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

Unit II:

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

Unit III:

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

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

Suggested Readings:

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

Personal Finance Skills

Course Code: PGDER-103

L – 2, P-2, Credits – 3

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

COURSE OUTCOMES (COs)

CO1: To enable the understanding of individual financial needs and making effective financial planning decisions.

Course Contents:

Unit I:

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

Unit II:

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

Unit III:

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

Unit IV:

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

Suggested Readings:

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

Approved in the Academic Council Meeting 51st meeting held on 11/08/2021 vide agenda item 51.17 w.e.f. 2020

Communication Skills

Course Code: PGDER -105

L – 3, T/P-2 Credits – 3

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

COURSE OUTCOMES (COs)

CO1: To train students to enhance their skills in written and oral communication through practical conduct of this course;

CO2: To help students develop competence in communication so that they can successfully handle the challenges of all types of communication in business.

Course Content

Unit I

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

Unit II

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

Unit III

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

Unit IV

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

Suggested Readings:

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

Management Process & Organizational Behaviour

Course Code: PGDER-107

L – 3, Credits – 3

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

COURSE OUTCOMES (COs)

CO1: To expose the students to fundamental concepts of management, its processes and behavioural dynamics in organizations.

Course Contents

Unit I:

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

Unit II:

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

Unit III:

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

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

Unit IV:

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

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

Suggested Readings:

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

Cyber Security

Course Code: PGDER-109

L – 3, Credits – 3

Course Learning Outcomes: This course is designed to expose the students to fundamental concepts of cyber security while understanding potential network security threats. At the end of the course, the students shall also be able to analyze and resolve certain cyber security issues.

COURSE OUTCOMES (COs)

CO1: To familiarize the student with basic concepts of information technology and their applications to business processes.

Course Contents

Unit I:

Introduction to Network Security: Overview of Networking Concepts, Information Security Concepts, Security Threats and Vulnerabilities, Cryptography/ Encryption. **(10 Hours)**

Unit II:

Security Management: Security Management Practices. Security Laws and Standards. Best Practices across the globe. Case Studies. **(10 Hours)**

Unit III:

Information and Network Security: Access Control and Intrusion Detection. Server Management and Firewalls. Security for VPN and Next Generation Technologies. **(10 Hours)**

Unit IV:

System and Application Security: Security Architectures and Models, System Security, OS Security, Wireless Network and Security **(12 Hours)**

Suggested Readings:

1. Godbole, N., & Belapure, S., & Wesson, M. *Cyber Security*. Wiley.
2. Garg, A., & Goyal, K.K. *Cyber Security*. Laxmi Publications.

Investment Research Skills - I

Course Code: PGDER -111

L – 2, T/P-2 Credits – 3

Course Learning Outcomes: The aim of the course is to develop basic investment research skills by evaluating performance of the assets. This course will help students to develop necessary skills to successfully explore key areas of preliminary equity research.

COURSE OUTCOMES (COs)

CO1: To provide the foundation in theories and techniques of equity pricing.

CO2: To develop understanding of the valuation tools and techniques that are applied to pricing of securities.

Course Content

Unit I

Introduction to Equity Analysis: Wealth maximization through investment in growth stocks, Value Investing, Overweight and underweight sectors, Defensive and cyclical stocks, Investing in Blue-Chip stocks (10 Hours)

Unit II

Market Analysis: Industry Analysis: Porter's 5 Forces Model, Broad Factors (PEST) Analysis, SWOT Analysis. Company Analysis: Strategic Initiatives, Technological Capabilities, Organizational Chart, Competitors, Financial Reports, Management Reports. (10 Hours)

Unit III

Corporate Governance: Principles of Corporate Governance, Investor Relations, Conflict Management, Governance, Risk Management, and Compliance (GRC), Assessment of Management Quality, Business Sustainability, Best Practices (12 Hours)

Unit IV

Financial Statements: Preparation of Income Statement, Balance Sheet, and Cash Flow Statements, Operating Profit Vs EBIT, Introduction to Ratio Analysis, Figures and Financial Statements (10 Hours)

Suggested Readings:

1. Dun & Bradstreet. *Equity Research and Valuation*. McGraw Hill.
2. Shearn, Michael. *The Investment Checklist: The Art of In-Depth Research*. Wiley.
3. Buffet, Marry & Clark David. *Warren Buffett and the Interpretation of Financial Statements: The Search for the Company with a Durable Competitive Advantage*. Simon & Schuster.
4. Gray Wesley R., & Carlisle, Tobias E. *Quantitative Value: A Practitioner's Guide to Automating Intelligent Investment and Eliminating Behavioral Errors*. Wiley.

Field Training and Project Work

Course Code: PGDER 113

L – 0, Credits – 12

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

SECOND SEMESTER

Approved in the Academic Council Meeting 51st meeting held on 11/08/2021 vide agenda item 51.17 w.e.f. 2020

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, NEW DELHI
POST GRADUATE DIPLOMA IN EQUITY RESEARCH

**GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, NEW DELHI
POST GRADUATE DIPLOMA IN EQUITY RESEARCH**

Investment Analysis & Portfolio Management

Course Code: PGDER 102

L – 3, Credits – 3

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

COURSE OUTCOMES (COs)

CO1: To provide students with a solid conceptual and analytical basis for making investment decisions.

CO2: To establish a background for evaluating financial risk and return dynamics.

Course Contents:

Unit I

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

hours)

Unit II

Capital Market Efficiency: Forms of Efficiency, Efficient Market Hypothesis, Deviation from Efficiency, Measurement of Efficiency of the Financial Markets.

Modern Portfolio Theory, Efficient Frontier, Efficient Frontier and Investor's Utility, Indifference Curve of an Investor, Equilibrium of an Investor, Single Index Model, Capital Market Theory, Capital Asset Pricing Model, Multifactor Models of Risk and Return: Arbitrage Pricing Theory, French and Fama Model. (14

hours)

Unit III

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

Unit IV

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

Suggested Readings:

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

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, NEW DELHI
POST GRADUATE DIPLOMA IN EQUITY RESEARCH

4. Talwar, S. *Security Analysis and Portfolio Management*. Cengage Publication.

**GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, NEW DELHI
POST GRADUATE DIPLOMA IN EQUITY RESEARCH**

Macro and Mathematical Economics

Course Code: PGDER 104

L – 3, Credits – 3

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

COURSE OUTCOMES (COs)

CO1: To have understanding of basic framework of principles of Marco Economics and Applied Mathematical Economics.

CO2: To provide support in business decision making at strategic level.

Course Contents

Unit I

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

Unit II

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

Unit III

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

Unit IV

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

Suggested Readings:

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

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, NEW DELHI
POST GRADUATE DIPLOMA IN EQUITY RESEARCH

Advanced Technical Analysis

Course Code: PGDER 106

L-3 Credits: 3

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

COURSE OUTCOMES (COs)

CO1: To learn the application of MS-Excel in the financial modelling.

Course Contents:

Unit 1

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

Unit-II

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

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

Unit - IV

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

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

Suggested Readings:

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

**GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, NEW DELHI
POST GRADUATE DIPLOMA IN EQUITY RESEARCH**

Financial Modelling

Course Code: PGDER 108

L – 3, Credits – 3

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

COURSE OUTCOMES (COs)

CO1: To develop the practical skills in trading stock, commodity and currency market using advance concepts, tools and techniques of technical analysis to become a successful trader.

1. Excel as a tool in Financial Modelling

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

2. Financial Modelling Basic Concepts

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

3. Cash Ratios and Non Cash Valuations

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

4. Forecasting Methods and Initial Valuations

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

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

Suggested Readings:

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

**GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, NEW DELHI
POST GRADUATE DIPLOMA IN EQUITY RESEARCH**

Sustainable Finance

Course Code: PGDER 110

L – 3, Credits – 3

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

COURSE OUTCOMES (COs)

CO1: To integrate environmental social and governance criteria into the business and investment decisions for lasting benefit to the society at large.

Course Contents:

Unit I:

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

Unit II:

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

Unit III:

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

Unit IV:

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

Suggested Readings:

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

**GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, NEW DELHI
POST GRADUATE DIPLOMA IN EQUITY RESEARCH**

Behavioural Finance

Course Code: PGDER 112

L – 3, Credits – 3

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

COURSE OUTCOMES (COs)

CO1: To understand the behavioral aspects of irrational market participants and their influence on the market.

Course Content

Unit I

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

(10 Hours)

Unit II

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

(10 Hours)

Unit III

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

(11 Hours)

Unit IV

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

(11 Hours)

Suggested Readings:

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

**GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, NEW DELHI
POST GRADUATE DIPLOMA IN EQUITY RESEARCH**

Investment Research Skills - II

Course Code: PGDER 114

L – 3, Credits – 3

Course Learning Outcomes: The aim of the course is to develop advanced investment research skills of performing advanced analysis to predict future performance of securities. The course will also help students to evaluate and create an overall financial strategy.

COURSE OUTCOMES (COs)

CO1: To develop advanced research skills for performing equity analysis

CO2: To give investment recommendations; to help students evaluate and create an overall financial strategy.

Course Content

Unit I

Practical Application of Financial Ratios: Quantitative Analysis, DuPont Analysis, Cash Conversion Cycle, Techniques of finding stocks for investment, Identify value stocks, Stock selection criteria. (12 Hours)

Unit II

Reading and Analyzing Annual Reports: Components of an Annual Report, Financial highlights, Management Analysis, Corporate information, Director's Report, Identification of Risk Factors (10 Hours)

Unit III

Stock Screening Process: Stock Screeners and how do they function, Variables in stock screening, Screening Strategies, Stock Screening vs Independent Research (10 Hours)

Unit IV

Investment Strategies of successful investors: Investment strategies followed by Benjamin Graham, John Templeton, Philip Fisher, Peter Lynch, Warren Buffet, Rakesh Jhunjhunwala and other successful investors (10 Hours)

Suggested Readings:

1. Valentine, James. *Best Practices for Equity Research Analysts: Essentials for Buy-Side and Sell-Side Analysts*. McGraw Hill.
2. Graham, Benjamin, & Dodd David. *Security Analysis*. McGraw Hill.
3. Graham, Benjamin. *The Intelligent Investor*. Harper Collins.
4. Lynch, Peter. *One Up On Wall Street: How To Use What You Already Know To Make Money In The Market*. Simon & Schuster.

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, NEW DELHI
POST GRADUATE DIPLOMA IN EQUITY RESEARCH

Project Dissertation

Course Code: PGDER 116

Credits – 12

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

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

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