

Department of Accounting and Law

ACCOUNTING COURSES

S. No.	Course Code	Course Title
1	ACC111	Principles of Accounting
2	ACC201	Financial Accounting
2	ACC310	Advanced Managerial Accounting
3	ACC312	Business Analysis and Decision making
4	ACC315	Financial Reporting
5	ACC320	Auditing
6	ACC325	Advanced Auditing
7	ACC381	Management Accounting
8	ACC401	Advanced Financial Reporting
9	ACC415	Actuarial Courses
10	ACC505	Accounting for Decision Making
11	ACC506	Financial Accounting and Information Systems
12	ACC507	Accounting Information Systems with SAP
13	ACC557	Accounting Information Systems - For Small & Medium Enterprises
14	ACC559	IFRS & Financial Reporting in Pakistan
15	ACC561	Analysis of Financial Statements
16	ACC589	Project Evaluation & Financing

LAW COURSES

S. No.	Course Code	Course Title
1	LAW105	Politics and Law
2	LAW205	Business Law
4	LAW303	Taxation
5	LAW305	Corporate Law
6	LAW310	Legal & Regularity Environment
6	LAW401	Advanced Taxation
7	LAW501	Legal and Regulatory Environment of Business
8	LAW553	Corporate Governance & Practices in Pakistan



Department of Economics & Finance

ECONOMICS COURSES

S. No.	Course Code	Course Title
1	ECO102	Business Economics
2	ECO103	Principles of Microeconomics-I
3	ECO104	Principles of Macroeconomics-I
4	ECO105	Introduction to Economics
5	ECO113	Principles of Microeconomics-II
6	ECO114	Principles of Macroeconomics-II
7	ECO201	Intermediate Microeconomics
8	ECO202	Intermediate Macroeconomics
9	ECO211	Analysis of Pakistan Industry
10	ECO301	Development Economics
11	ECO312	Microeconomics
12	ECO313	Macroeconomics
13	ECO341	Introduction to Econometrics
14	ECO342	Applied Econometrics
15	ECO403	Major Issues in Pakistan Economy
16	ECO411	Research Methods in Economics
17	ECO451	Public Finance
18	ECO452	Islamic Economic System
19	ECO454	Population Economics
20	ECO455	Comparative Economic System
21	ECO456	Economics and Strategy
22	ECO461	Natural Resource and Environmental Economics
23	ECO462	Rural Development
24	ECO464	Game Theory
25	ECO465	International Political Economy
26	ECO467	History of Economic Thought
27	ECO468	Agriculture Economics
28	ECO469	Regional Economics
29	ECO471	Health Economics
30	ECO472	Urban Economics
31	ECO473	Welfare Economics
32	ECO474	Resource Economics
33	ECO501	Managerial Economics

ECONOMICS COURSES (Contd..)

S. No.	Course Code	Course Title
34	ECO502	Macroeconomics
35	ECO517	Global Economic and Political Environment
36	ECO530	Development Economics
37	ECO531	Microeconomics Theory - 1
38	ECO532	Macroeconomics Theory - 1
39	ECO533	Mathematics for Economics
40	ECO537	Econometrics - 1
41	ECO538	Econometrics - 2
42	ECO539	International Trade
43	ECO544	Issues in Pakistan Economy
44	ECO555	Economics Forecasting
45	ECO560	Public Policy Analysis: Theory and Practice
46	ECO561	Environmental and Resource Economics
47	ECO562	Financial Economics
48	ECO563	Health Economics
49	ECO564	History of Economics
50	ECO566	Monetary Economics
51	ECO567	Public Economics
52	ECO570	Time Series Modeling
53	ECO571	Industrial Economics
54	ECO572	General Equilibrium & welfare economics
55	ECO573	Game theory and competitive strategy
56	ECO574	Water Economics and Policy
57	ECO575	The Microeconomics of Policy Analysis
58	ECO591	Research Methodology
59	ECO631	Microeconomics Theory - II
60	ECO632	Macroeconomics Theory - II
61	ECO648	Econometrics Analysis - II
62	ECO654	Labor Economics

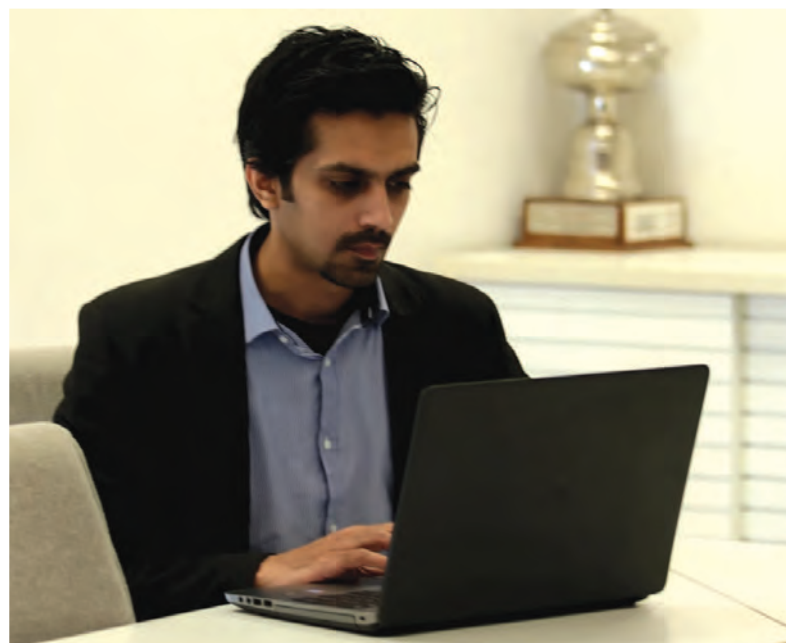


FINANCE COURSES

S. No.	Course Code	Course Title
1	FIN201	Introduction to Business Finance
2	FIN301	Financial Institutions and Markets
3	FIN305	Alternate Investments
4	FIN308	Real Estate Investments: Analysis and Financing
5	FIN310	International Banking
6	FIN312	Behavioral Finance
7	FIN315	Corporate Restructuring
8	FIN320	Empirical Research in Finance
9	FIN401	Financial Management
10	FIN405	Venture Capital and the Finance of Innovation
11	FIN410	Buyouts and Acquisitions
12	FIN424	Fixed Income Investments
13	FIN425	Branch Banking
14	FIN426	Lending- Products, Operations & Risk Management
15	FIN427	Finance of International Trade and Related Treasury Operations
16	FIN428	Introduction to Marketing of Financial Services
17	FIN429	Information Technology in Financial Services
18	FIN430	Financial Information System
19	FIN451	Investment Banking
20	FIN452	International Finance
21	FIN453	Security Analysis
22	FIN454	Corporate Finance
23	FIN455	Portfolio Management
24	FIN456	Financial Risk Management
25	FIN457	Derivatives
26	FIN458	Fundamentals of Treasury and Fund Management
27	FIN501	Advance Corporate Finance
28	FIN506	Business Finance I
29	FIN507	Business Finance II
30	FIN531	Financial Intermediation
31	FIN532	Advance Credit Management
32	FIN533	Financial system – process, players, status & prognosis
33	FIN535	Treasury and Financial Derivatives
34	FIN536	Corporate Investment Banking

FINANCE COURSES (Contd..)

S. No.	Course Code	Course Title
35	FIN541	The Strategic Management of Banks
36	FIN552	International Financial Management
37	FIN554	Investment Banking & Financial Services
38	FIN556	Security Analysis & Capital Markets
39	FIN558	Regulation & Financial Markets
40	FIN559	Islamic Finance
41	FIN560	Advanced Corporate Finance
42	FIN563	Advanced Portfolio Management
43	FIN565	Treasury and Fund Management
44	FIN567	Risk Management
45	FIN568	Derivatives & Risk Hedging
46	FIN569	Financial Econometrics
47	FIN570	Islamic Banking & Finance
48	FIN574	Financial Modeling
49	FIN577	Seminar in Finance



Department of Management

MANAGEMENT COURSES

S. No.	Course Code	Course Title
1	MGT201	Principles of Management
2	MGT211	Business Communication
3	MGT221	Organizational Behavior
4	MGT301	Ethics in a Corporate Society
5	MGT311	Production and Operations Management
6	MGT400	Management Theory and Practice
7	MGT401	Small Business Management
8	MGT411	Comparative Management
9	MGT421	Entrepreneurship
10	MGT430	Managerial Policy
11	MGT503	Managerial Communication
12	MGT506	Corporate Strategy
13	MGT507	Entrepreneurial Management
14	MGT510	Operations and Production Management
15	MGT512	Strategic Human Resource Management
16	MGT513	Business Strategy
17	MGT519	Personal Effectiveness and Communication (Non-Credit)
18	MGT531	Project Evaluation & Management
19	MGT552	Strategic Management
20	MGT555	Project Management
21	MGT556	Competitive Strategy from a Customer's Perspective
22	MGT557	Organizational Behavior and Leadership
23	MGT558	International Market Entry Strategies

ENTREPRENEURSHIP COURSES

S. No.	Course Code	Course Title
1	MGT102 / 103	Foundation for Management & Entrepreneurship (FME)
2	ENT451	Marketing for Entrepreneurs
3	ENT452	Entrepreneurial Finance
4	ENT453	Business Law for Entrepreneurs
5	ENT454	Entrepreneurial Management

ENTREPRENEURSHIP COURSES (Contd...)

S. No.	Course Code	Course Title
6	ENT455	Family Business Management
7	ENT456	Developing Entrepreneurial Opportunities
8	ENT457	Women's Entrepreneurship & Leadership
9	ENT458	Social Entrepreneurship
10	ENT459	Financing Entrepreneurial Ventures
11	ENT460	New Technology Ventures
12	ENT461	Sustainable Entrepreneurship Strategies
13	ENT462	Corporate Entrepreneurship
14	ENT463	Creativity and Innovation
15	ENT464	Entrepreneurial Sales Strategy
16	ENT465	Co-Curricular Activities

HUMAN RESOURCE MANAGEMENT (HRM) COURSES

S. No.	Course Code	Course Title
1	HRM401	Human Resource Management
2	HRM430	Recruitment and Selection Techniques
3	HRM445	Occupational Health and Safety
4	HRM451	Industrial Relations Management
5	HRM452	Organizational Analysis and Research
6	HRM453	Life Career Development
7	HRM455	Portfolio Management
8	HRM456	Training and Development
9	HRM457	HR and Information System.
10	HRM458	Leading the Change Process
11	HRM462	Performance and Compensation Management
12	HRM530	Recruitment and Selection Techniques
13	HRM552	Organizational Development
14	HRM557	Team Management
15	HRM558	Leading the Change Process
16	HRM562	Performance and Compensation Management
17	HRM571	Training and Development



Department of Social Sciences & Liberal Arts

SOCIAL SCIENCES & LIBERAL ARTS COURSES

S. No.	Course Code	Course Title
1	SSC101	English Grammar & Composition
2	SSC102	Foundation of Human Behavior
3	SSC104	Foundations of Human Behavior
4	SSC106	Intermediate English Grammar & Composition
5	SSC111	International Relations
6	SSC121	Major Themes in World History
7	SSC131	Fundamentals of Sociology
8	SSC150	Remedial English
9	SSC151	Pakistan History
10	SSC154	Research Methods in Social Sciences
11	SSC201	Arabic I
12	SSC202	Arabic II
13	SSC203	Arabic III
14	SSC204	Arabic IV
15	SSC205	French I
16	SSC206	French II
17	SSC207	French III
18	SSC208	French IV
19	SSC209	Mandarin I
20	SSC210	Mandarin II
21	SSC211	Mandarin III
22	SSC212	Mandarin IV
23	SSC213	Advanced English Composition
24	SSC216	Culture, Media, Society
25	SSC217	Introduction to Political Science
26	SSC218	Introduction to Psychology
27	SSC221	South Asian History
28	SSC231	Fundamentals of Sociology
29	SSC232	Introduction to Historical Methods
30	SSC233	Introduction to Social and Cultural Anthropology
31	SSC234	Introduction to Urban Studies
32	SSC235	Introduction to Linguistics
33	SSC238	History of Ideas II

SOCIAL SCIENCES & LIBERAL ARTS COURSES (Contd...)

S. No.	Course Code	Course Title
34	SSC239	History of Ideas I
35	SSC240	Personal Effectiveness
36	SSC253	Corporate Social Responsibility
37	SSC301	Socioeconomic Philosophy of Islam
38	SSC302	Computational Research Methods

NATURAL SCIENCES COURSES

S. No.	Course Code	Course Title
1	NSC351	History of Science
2	NSC352	Ideas of Physics
3	NSC353	Space, Time, and Space-Time
4	NSC354	Introduction to Environmental Sciences
5	NSC355	Principles of Ecology and Conservation
6	NSC356	History of Evolution
7	NSC357	Introduction to Geology

VISUAL STUDIES & HUMANITIES COURSES

S. No.	Course Code	Course Title
1	HUM201	Speech Communication
2	HUM238	History of Ideas - II
3	HUM351	Great Books
4	HUM352	Reading Poetry
5	HUM353	Introduction to Drama
6	HUM354	Introduction to Urdu Literature
7	HUM355	Anglo-Indian Narratives and the Postcolonial Subject
8	HUM356	Foundations of Philosophical Thought
9	HUM357	Philosophy, Logic, and Ethics
10	HUM358	Comparative Classical Philosophy
11	HUM359	Introduction to Comparative Religions
12	HUM360	Creative Writing
13	HUM361	Theater Project: The Living Newspaper
14	HUM363	Introduction to Visual Culture
15	HUM364	History of Art I: Classical Antiquity to the Middle Ages

VISUAL STUDIES & HUMANITIES COURSES (Contd...)

S. No.	Course Code	Course Title
16	HUM365	History of Art II: Renaissance to the Present
17	HUM366	Art of the Islamic World
18	HUM367	Theories of Design
19	HUM368	Colonial and Postcolonial Visual Cultures
20	HUM369	The Rhetoric of Architecture

MEDIA AND COMMUNICATION COURSES

S. No.	Course Code	Course Title
1	MCS301	Research Methods in Media and Communications
2	MCS302	Gutenberg to Google: A Social History of Media
3	MCS303	Theories of Media and Communications
4	MCS351	Media and Post-colonialism
5	MCS352	Media, Law, and Ethics
6	MCS353	Race, Class, and Gender in Film and Television
7	MCS354	The International Newsroom
8	MCS355	Analyzing the News
9	MCS356	Introduction to Visual Communication
10	MCS357	History of Commercial Art
11	MCS358	Communication in Advertising
12	MCS359	Watching Films
13	MCS360	History of Film
14	MCS361	The Non-Fiction Film
15	MCS362	Introduction to Television Studies
16	MCS363	Television Newsmagazines and Documentaries
17	MCS364	Theories of Film and Television
18	MCS365	Narratives Across Media
19	MCS366	Digital Activism and Democracy
20	MCS367	Media Convergence and the Virtual Public Sphere
21	MCS401	Communication for Social Change
22	MCS491/ 492	Culminating Experience

POLITICAL SCIENCE COURSES

S. No.	Course Code	Course Title
1	POL301	Research Methods in Political Science
2	POL302	History of Political Thought
3	POL303	Introduction to Comparative Politics
4	POL351	Political Psychology
5	POL352	Foreign Policy in China
6	POL353	State and Society
7	POL354	War: Conceptual Underpinnings
8	POL355	Human Rights
9	POL356	Environment and Politics
10	POL357	Diplomacy in a Globalized World
11	POL358	Islam and International Relations
12	POL359	The Modern Middle East
13	POL360	Theories of Democratic Transition
14	POL361	Democracy and Difference
15	POL362	Pakistan's Foreign Policy
16	POL363	Filthy Lucre: A Political History of Money
17	POL401	International Politics
18	POL491 / 492	Culminating Experience



PSYCHOLOGY COURSES

S. No.	Course Code	Course Title
1	PSY301	Research Methods in Psychology
2	PSY302	Human Development
3	PSY303	Personality, Identity, and the Self
4	PSY351	Introduction to Social Psychology
5	PSY352	Organizational Behavior and Industrial Psychology
6	PSY353	Psychology and the Media
7	PSY354	Psychology of Conflict
8	PSY355	Introduction to Developmental Psychology
9	PSY356	Attachment and Loss
10	PSY357	Child and Adolescent Development
11	PSY358	Psychology of Aging
12	PSY359	Introduction to Cognitive Psychology
13	PSY360	Sensation and Perception
14	PSY361	Human Memory
15	PSY362	Abnormal Psychology
16	PSY363	Psychology of Human Emotion
17	PSY401	Language, Memory, and the Human Mind
18	PSY491 / 492	Culminating Experience

Department of Marketing**MARKETING COURSES**

S. No.	Course Code	Course Title
1	MKT201	Principles of Marketing
2	MKT301	Methods of Business Research
3	MKT401	Marketing Issues in Pakistan
4	MKT451	Advertising
5	MKT452	Consumer Behavior
6	MKT453	Sales Management
7	MKT454	Personal Selling
8	MKT455	Retail Management
9	MKT456	Export Marketing
10	MKT457	Dynamics of Distribution and Logistics
11	MKT458	Public Relations
12	MKT460	Direct Marketing

MARKETING COURSES (CONTD...)

S. No.	Course Code	Course Title
13	MKT461	Brand Management
14	MKT462	Essentials of Demand & Supply
15	MKT501	Marketing Management
16	MKT505	Advanced and Applied Business Research
17	MKT506	Branding and Creative Corporate Communication
18	MKT551	Advertising
19	MKT552	Consumer Behavior
20	MKT553	Entrepreneurial Management
21	MKT556	Social Marketing
22	MKT557	Dynamic Distribution & Logistics
23	MKT558	Customer Ascendancy
24	MKT559	Supply Chain Management
25	MKT561	Brand Management
26	MKT566	Media Management
27	MKT569	Global Marketing Management
28	MKT570	Strategic Sourcing & Procurement
29	MKT571	Strategic Sourcing & Negotiation Skills
30	MKT573	Markstrat
31	MKT586	Retailing
32	MKT651	Personal Selling
33	MKT653	Sales Management
33	MKT656	Services Marketing
34	MKT657	Strategic Marketing
35	MKT658	Business to Business Marketing
36	MKT659	Global Marketing Management
37	MKT752	Seminar in Marketing



Department of Computer Science

MIS COURSES

S. No.	Course Code	Course Title
1	MIS103	Introduction to Computer Applications (2,1,3)
2	MIS150	Essential Software
3	MIS343	Data Warehousing (3,1,4)
4	MIS405	Excel & Access for Business Managers (2,1,3)
5	MIS406	Social Computing (3,0,3)
6	MIS450	Technopreneurship (3,0,3)
7	MIS454	Audit, Ethics & IS Issues (3,0,3)
8	MIS456	E-Commerce (3,0,3)
9	MIS457	IS Security
10	MIS458	Enterprise Resource Planning (3,0,3)
11	MIS459	Customer Relationship Management (3,0,3)
12	MIS463	Mobile Marketing - A Technological Perspective (3,0,3)
13	MIS464	Financial Services Technologies (3,0,3)
14	MIS502	Operations & Technology Management
15	MIS503	Enterprise Integration (3,0,3)
16	MIS513	Information: Industry Structure & Competitive Strategy
17	MIS541	SAP ABAP Programming I
18	MIS542	SAP ABAP Programming II
19	MIS550	Logistics and Supply Chain Management (3,0,3)
20	MIS552	Advanced Data Warehousing (2,1,3)
21	MIS553	Mobile Marketing Strategies (3,0,3)
22	MIS555	Auditing IT Infrastructures (3,0,3)
23	MIS564	Social Computing Applications
24	MIS565	Advance E-Commerce (3,0,3)
25	MIS566	Fundamentals of SAP-ABAP Programming I (2,1,3)
26	MIS567	Simulated Approach to SCM (1,,5,1.5)
27	MIS568	Business Processes Management in ERP using SAP
28	MIS651	Theoretical Foundations of IS (3,0,3)
29	MIS653	Advanced Theoretical Concepts in IS (3,0,3)

COMPUTER SCIENCE & ALLIED COURSES

S. No.	Course Code	Course Title
1	CSE141	Introduction to Programming (3,1,4)
2	CSE142	Object Oriented Programming Techniques (3,1,4)
3	CSE145	Introduction to Computing (3,1,4)
4	CSE241	Digital Logic Design (3,1,4)
5	CSE247	Data Structures (3,1,4)
6	CSE248	Computer Communications and Networks
7	CSE307	Introduction to AI (3,0,3)
8	CSE308	Web Based Application Development (3,0,3)
9	CSE309	Theory of Automata (3,0,3)
10	CSE312	Software Engineering (3,0,3)
11	CSE317	Design and Analysis of Algorithms (3,0,3)
12	CSE318	Design Patterns (3,0,3)
13	CSE331	Operating Systems (3,0,3)
14	CSE341	Database Systems (3,1,4)
15	CSE344	Compiler Design (3,1,4)
16	CSE345	Computer Architecture and Assembly Language (3,1,4)
17	CSE403	System Modeling and Simulation (3,0,3)
18	CSE407	Human Computer Interaction (3,0,3)
19	CSE441	Systems Programming (3,1,4)
20	CSE448	Microprocessor Interfacing (3,1,4)
21	CSE450	Application Development for Mobile Devices (3,0,3)
22	CSE455	Network Security (2,1,3)
23	CSE459	Business Intelligence (3,0,3)
24	CSE460	Introduction to Game Programming and Robotics (3,0,3)
25	CSE461	Mathematics for Games (3,0,3)
26	CSE491	Computer Science Project - I (0,3,3)
27	CSE492	Computer Science Project - II (0,3,3)
28	CSE503	Software Project Management (3,0,3)
29	CSE556	Image Processing for Recognition (3,0,3)
30	CSE558	Mobile Computing (3,0,3)
31	CSE559	Image Processing (3,0,3)
32	CSE564	Software Systems Engineering (3,0,3)
33	CSE566	Software Quality Assurance (3,0,3)
34	CSE567	Requirements Engineering (3,0,3)
35	CSE569	Web Engineering



COMPUTER SCIENCE & ALLIED COURSES (CONTD...)

S. No.	Course Code	Course Title
36	CSE572	Formal Methods
37	CSE575	Advanced Human Computer Interaction (3,0,3)
38	CSE576	Usability Engineering
39	CSE577	Interaction Design
40	CSE578	GUI Design
41	CSE579	Multimedia and Multi-Modal Systems
42	CSE651	Advanced Analysis of Algorithms
43	CSE652	Knowledge Discovery and Data Mining (3,0,3)
44	CSE654	Combinatorial Optimization (3,0,3)
45	CSE655	Probabilistic Reasoning (3,0,3)
46	CSE657	Essentials of Theoretical Computer Science (3,0,3)
47	CSE658	Knowledge Management and E-Learning Systems (3,0,3)
48	CSE659	Computational Intelligence (3,0,3)
49	CSE660	Computer Vision (3,0,3)
50	CSE661	Semantic Web (3,0,3)
51	CSE662	Parallel Processing (3,0,3)
52	CSE665	Information Retrieval and Web Search - I (3,0,3)
53	CSE666	Information Retrieval and Web Search - II (3,0,3)
54	CSE668	Big Data Analytics (3,0,3)
55	CSE669	MS Research Survey (0,3,3)

ICT & ALLIED COURSES

S. No.	Course Code	Course Title
1	ICT512	Advanced Web Technologies (3,0,3)
2	ICT515	Distributed Systems (3,0,3)
3	ICT554	Information Security (3,0,3)
4	ICT556	RFID Technologies (3,0,3)
5	ICT651	Computer Communication Networks & Simulation - I (2,1,3)
6	ICT654	Computer Communication Networks & Simulation - II (2,1,3)
7	ICT659	Wireless Sensor Networks (1,2,3)
8	ICT660	Advanced Topics in Wireless Sensor Networks (1,2,3)
9	ICT661	Applications of Mathematical and Computational Techniques to Networking (3,0,3)
10	ICT662	WSN Protocols and Applications (3,0,3)

Department of Mathematical Sciences**MATHEMATICS COURSES**

S. No.	Course Code	Course Title
1	MTS101	Calculus - 1 with Plane Geometry
2	MTS102	Introduction to Statistics
3	MTS104	Calculus with Application-I
4	MTS106	Calculus with Application-II
5	MTS110	Mathematical Methods
6	MTS112	Applied Probability Theory
7	MTS201	Logic & Discrete Structures
8	MTS202	Statistical Inference (with econometrics lab)
9	MTS203	Linear Algebra
10	MTS204	Calculus-III
11	MTS210	Regression Analysis and Experimental Design
12	MTS211	Discrete mathematics
13	MTS212	Business Mathematics & Linear Algebra
14	MTS232	Calculus - II with Solid Geometry
15	MTS241	Introduction to Differential Equations
16	MTS301	Real Analysis
17	MTS302	Complex Analysis
18	MTS303	Advanced Differential Equations
19	MTS304	Stochastic Processes-I
20	MTS305	Abstract Algebra-I
21	MTS306	Abstract Algebra-II
22	MTS411	Functional Analysis-I
23	MTS412	Functional Analysis-II
24	MTS413	Numerical Analysis
25	MTS414	Scientific Computing for Linear PDEs.
26	MTS431	Numerical Solutions of PDEs
27	MTS432	Integral Equations-I
28	MTS433	Advanced Numerical Analysis-I
29	MTS434	Advanced Numerical Analysis-II
30	MTS435	Differential Geometry
31	MTS437	Fluid Dynamics-I
32	MTS438	Fluid Dynamics-II
33	MTS441	Financial Mathematics with a Computational approach

MATHEMATICS COURSES (Contd...)

S. No.	Course Code	Course Title
34	MTS442	Computational Finance-I
35	MTS443	Modern Algebra-I (Galois Theory & Applications)
36	MTS444	Modern Algebra-II (Commutative Rings & Fields)
37	MTS445	Measure Theory-I
38	MTS446	Measure Theory-II
39	MTS447	Operations Research-I
40	MTS448	Operations Research-II
41	MTS451	Topology-I
42	MTS452	Topology II (Differential Topology)
43	MTS506	Quantitative Methods for Decision-Making
44	MTS511	Advanced Real Analysis
45	MTS512	Measure Theory & Integration
46	MTS536	Mathematical Statistics and Linear Algebr
47	MTS513	Topics in Algebra
48	MTS514	Topics in Commutative Algebra
49	MTS515	Advanced Numerical Analysis
50	MTS516	Topology
51	MTS521	Scientific Computing
52	MTS525	Stochastic Processes II
53	MTS529	Stochastic Differential Equations
54	MTS533	Integral Equations-I
55	MTS537	Mathematical Astronomy
56	MTS539	Homological Algebra
57	MTS541	Computational Algebraic Geometry
58	MTS545	Applicable Modern Geometry I
59	MTS549	Algebraic Geometry I
60	MTS551	Scientific Computing & Software Calculus-III
61	MTS553	Algebraic Cycles I
62	MTS557	Arithmetic Algebraic Geometry
63	MTS561	Exploratory Data Analysis
64	MTS565	Mathematical Physics I
65	MTS569	Statistical Data Mining & Knowledge Discovery
66	MTS573	Statistical Machine Learning
67	MTS577	Galois Theory
68	MTS621	Numerical Treatment of P.D.E
69	MTS625	Financial Mathematics I
70	MTS629	Financial Mathematics II
71	MTS637	Computational Astronomy

MATHEMATICS COURSES (Contd...)

S. No.	Course Code	Course Title
72	MTS645	Applicable Modern Geometry II
73	MTS649	Algebraic Geometry II
74	MTS653	Algebraic Cycles II
75	MTS657	Polylogarithms
76	MTS661	Multivariate Statistical Analysis
77	MTS665	Mathematical Physics II
78	MTS671	Monomial Algebra
79	MTS691	Topics of Special Interest I
80	MTS692	Topics of Special Interest II
81	SCI105	Physics I (Mechanics)
82	SCI205	Physics II (Electromagnetism)

STATISTICS COURSES

S. No.	Course Code	Course Title
1	STA601	Linear Statistical Models
2	STA602	Generalized Linear Models
3	STA603	Advanced Probability Theory
4	STA604	Stochastic Processes
5	STA605	Advanced Statistical Inference
6	STA606	Multivariate Statistics
7	STA611	Time Series Analysis and Forecasting
8	STA612	Experimental Design and ANOVA Models
9	STA621	Statistical Machine Learning
10	STA622	Statistical Data Mining and Knowledge Discovery
11	STA631	Classification and Pattern Recognition
12	STA632	Optimization Techniques
13	STA641	Bayesian Statistics
14	STA642	Reliability and Survival Analysis
15	STA651	Non-Parametric and Semi-Parametric Statistics
16	STA652	Simulation and Re-sampling Methods
17	STA661	Advanced Operations Research
18	STA662	Stochastic Financial Models
19	STA671	Financial Time Series
20	STA672	Advanced Econometrics
21	STA681	Econometric Analysis of Time Series
22	STA682	Longitudinal and Panel Data Models
23	STA691	Functional Data Analysis
24	STA692	Functional Time Series Analysis

