i) Department of Media Studies & Social Science

a) Media Studies

BS Media Studies (4 Years Program)	
Semester I	**Semester II**

Semester I

S. NO	COURSE CODE	COURSE TITLE
1	MED101	Introduction to Mass Communication
2	MED103	Drawing
3	MED105	History of Art
4	ENG101	English I
5	HSS101	Islamiat& Pakistan Studies
6	CSC101	Introduction to Computer And its Application

Semester II

S. NO	COURSE CODE	COURSE TITLE
1	MED102	Culture, Media and Society
2	MED104	Photography
3	MED106	Basic Design
4	SOC101	Introduction to Sociology
5	MGT202	Personal Management & Communication
6	ENG201	English III

Semester III

S. NO	COURSE CODE	COURSE TITLE
1	MED201	Graphic Design I
2	MED203	Introduction to Advertisement and PR
3	MED205	Art of Music
4	MED207	Creativity and Idea Development
5	MED209	Radio Channel I
6	PSY101	Introduction to Psychology

Semester IV

S. NO	COURSE CODE	COURSE TITLE
1	MED202	History of Commercial Art
2	MED204	Graphic design II
3	MED206	Writing for the Media
4	MED208	Visual Communication for Media
5	MED210	Radio Channel II
6	MED212	Dramatics and Acting Perspectives

Semester V

S. NO	COURSE CODE	COURSE TITLE
1	MED301	Television Production
2	MED303	Theories & Models of Communication
3	MED305	Contemporary Drama and Narratives
4	MED307	Introduction to Lighting & Sound
5	MED3xx	Elective I
6	MED3xx	Elective-II

Semester VI

S. NO	COURSE CODE	COURSE TITLE
1	MED302	History and Culture of Pakistan
2	MED304	Online Journalism
3	MED306	Media Management
4	MED3xx	Elective-III
5	MED3xx	Elective-IV
6	RMT300	Introduction to Research Methodology

Semester VII

S. NO	COURSE CODE	COURSE TITLE
1	RMT301	Advance Research Methodology
2	MED401	Advance Media and Communication Writing
3	MED403	TV Project
4	MED4xx	Elective-V
5	MED4xx	Elective-VI

Semester VIII

S. NO	COURSE CODE	COURSE TITLE
1	MED500	Research Report
2	MED402	Media Law and Ethics
3	MED404	Development Support Communication
4	MED4xx	Elective-VII
5	MED4xx	Elective-VIII

BS Media Studies Electives

SCREEN STUDIES

S. NO	COURSE CODE	COURSE TITLE
1	MED309	Film and History
2	MED311	Film form and style
3	MED308	Cinematography-I
4	MED310	Literature for film
5	MED405	Cinematography-II
6	MED407	Direction
7	MED408	Art Direction
8	MED410	Film Theory and Criticism

ADVERTISING

S. NO	COURSE CODE	COURSE TITLE
1	MKT304	Consumer Behavior
2	MED315	Marketing Communications
3	MKT307	International Marketing
4	MKT303	Brand Management
5	MED409	Media Design
6	MED411	Advertising Research
7	MED412	Client Service Management
8	MED414	Package Design

JOURNALISM

S. NO	COURSE CODE	COURSE TITLE
1	MED317	News gathering and writing
2	MED319	Editing
3	MED316	Electronic Journalism
4	MED318	Print Media Reporting
5	MED413	Photo Journalism
6	MED415	Feature Writing
7	MED416	Comprehensive Editing
8	MED418	Investigating Reporting

b) Social Sciences

Bachelor of Social Sciences (4 Years Program)

Semester I

S. NO	COURSE CODE	COURSE TITLE
1	SOC101	Introduction to Social Sciences
2	SOC105	Geography
3	SOC103	Sociology
4	HSS101	Islamiat& Pakistan Studies
5	ENG101	English I
6	CSC101	Introduction to Computer and its Application

Semester II

S. NO	COURSE CODE	COURSE TITLE
1	SOC102	Cultural Studies
2	SOC104	Introduction to History
3	SOC106	Introduction to Mass Communication
4	ECO100	Introduction to Economics
5	PSY101	Introduction to Psychology
6	ENG201	English III

Semester III

S. NO	COURSE CODE	COURSE TITLE
1	SOC201	Governance and Leadership
2	SOC203	Human Rights, citizenship & CSR
3	SOC205	Introduction to IR
4	SOC207	Development Studies
5	SOC209	Social Anthropology
6	HSS104	Sindh Studies

Semester IV

S. NO	COURSE CODE	COURSE TITLE
1	SOC202	Gender Studies
2	SOC204	Constitutional Studies and governance
3	SOC206	Community Development & Social Policy
4	SOC208	Introduction to Comparative Religions
5	MED102	Culture, Media and Society
6	HSS105	Functional Urdu

Semester V

S. NO	COURSE CODE	COURSE TITLE
1	SOC301	Introduction to Philosophy
2	SOC3xx	Elective I
3	SOC3xx	Elective II
4	ENV101	Introduction to Environmental Sciences
5	MGT103	Intuitional Management
6	MAT203	Mathematics & Statistics

Semester VII

S. NO	COURSE CODE	COURSE TITLE
1	SOC401	Communication for Social Change
2	SOC403	Islam and International Relations
3	SOC405	Personality, Identity and the Self
4	SOC4xx	Elective V
5	SOC4xx	Elective VI
6	RMT301	Advance Research methodology

Semester VI

S. NO	COURSE CODE	COURSE TITLE
1	SOC302	Introduction to Criminology
2	SOC3xx	Elective III
3	SOC3xx	Elective IV
4	MGT102	Project Management
5	EDU101	Elements of Education
6	RMT300	Introduction to Research Methodology

Semester VIII

S. NO	COURSE CODE	COURSE TITLE
1	SOC402	Urban Studies
2	SOC500	Final Year Project (Social Sciences)
3	SOC4xx	Elective VII
4	SOC4xx	Elective VIII
5	MAT204	Inference Modeling
6	ENG102	English II

Electives of BS-Social Sciences

INTERNATIONAL RELATIONS

S. NO	COURSE CODE	COURSE TITLE
1	SOC307	Foreign Policy and International Politics
2	SOC309	Modern Ideologies
3	SOC308	International Organizations
4	SOC310	Globalization and Global Governance
5	SOC411	Middle Eastern Studies
6	SOC413	Political Geography
7	SOC408	US and the international politics
8	SOC410	International Affairs since 2011

MEDIA STUDIES

S. NO	COURSE CODE	COURSE TITLE
1	SOC311	Theories of Mass Communication
2	SOC313	Journalistic Writing
3	SOC312	Modern trends in Electronic Media
4	MED304	Online Journalism
5	SOC415	Advertising & PR
6	MED415	Photo journalism
7	SOC412	Radio program production
8	SOC414	Media and the Modern world

ii)   Department of Management, Business Administration & Commerce

Bachelor of Business Administration (4 Years Program)

FIRST SEMESTER

Sr #	Course Code	Course Name
1	ENG300	English Grammar
2	HMT302-3/4	Pakistan Studies - Islamic Studies/Ethics
3	QTM305	Business Mathematics
4	SOC310	Introduction to Sociology
5	LNG312	Language - I (Arabic/Chinese)
6	CSC320	Introduction to Computing

SECOND SEMESTER

Sr #	Course Code	Course Name
1	ENG301	English Composition
2	SOC311	Introduction to Psychology
3	LNG313	Language - II (Arabic/Chinese)
4	ENV314	Environmental Science
5	MGT321	Principles of

THIRD SEMESTER

Sr #	Course Code	Course Name
1	ENG406	Oral Communication & Presentation Skills
2	QTM407	Descriptive Statistics
3	ECO408	Macroeconomics
4	ACT423	Principles of Accounting
5	MKT424	Principles of Marketing
6	MGT430	Personal Management

FIFTH SEMESTER

Sr #	Course Code	Course Name
1	LOG517	Logic
2	BUS518	Business Ethics
3	FIN532	Financial Management
4	MKT533	Marketing Management
5	MGT540	Organizational Behavior
6	ACT541	Cost and Management Accounting

SEVENTH SEMESTER

Sr #	Course Code	Course Name
1	RMT628	Business Research Methods
2	MGT635	Operation Management
3	QTM643	Statistical Inference
4	MGT644	Entrepreneurship
5		Specialization III
6		Specialization IV*

*Internship

		Management
6	ECO322	Microeconomics

FOURTH SEMESTER

Sr #	Course Code	Course Name
1	ENG409	Business & Electronic Communication
2	SOC415	International Relation
3	ECO416	Pakistan Economy
4	HRM425	Human Resource Management
5	FIN426	Introduction to Business Finance
6	ACT431	Financial Accounting

SIXTH SEMESTER

Sr #	Course Code	Course Name
1	BUS527	Business Law
2	CSC534	Management Information System
3	ECO542	Development Economics
4		Specialization I
5		Specialization II

EIGHTH SEMESTER

Sr #	Course Code	Course Name
1	QTM645	Quantitative Tools for Decision Making
2		Project or Electives (2)

UNDERGRADUAT EELECTIVES

Management

Sr #	Course Code	Course Name	Credit Hours
1	MGT650	Total Quality Management	
2	MGT651	Corporate Social Responsibility	
3	MGT652	Corporate Strategy	
4	MGT653	Decision Support Systems	
5	MGT654	E-Commerce	
6	MGT655	Leadership	
7	MGT656	Managerial Economics	

Finance

Sr #	Course Code	Course Name	Credit Hours
1	FIN660	Analysis of Financial Statements	3
2	FIN661	Corporate Finance	

Marketing

Sr #	Course Code	Course Name	Credit Hours
1	MKT670	Advertising	
2	MKT671	Brand Management	
3	MKT672	Consumer Behavior	
4	MKT673	Customer Relationship Management	
5	MKT674	E-Business	
6	MKT675	Sales and Selling	
7	MKT676	Digital Marketing	
8	MKT677	Product Development and Management	
9	MKT678	Marketing Research	
10	MKT679	Supply Chain Management	

3	FIN662	Treasury and Fund Management	**Human Resource Management**		
4	FIN663	Investment and Portfolio Management	Sr #	Course Code	Course Name Credit Hours
5	FIN664	Introduction to Derivatives	1	HRM680	Recruitment and Selection
6	FIN665	Financial Markets and Institutions	2	HRM681	Training and Development
7	FIN666	Investment Banking	3	HRM682	Performance Appraisal and Management
8	FIN667	Auditing	4	HRM683	Compensation Management
9	FIN668	Taxation	5	HRM684	Industrial Relations and Labor Laws
			6	HRM685	Conflict Resolution and Management

### iii)	Department of Computer Science

BACHELOR COMPUTER SCIENCE (4 YEARS PROGRAM)	

SemesterI
1	CEN 101	Basic Electronics
2	CSC 101	Introduction to Computer and its Applications
3	CSC 103	Programming Fundamental
4	MAT 101	Calculus and Analytical geometry
5	ENG 101	English I
6	HSS 101	Islamiat and Pakistan Studies

Semester II
1	CSC 102	Data Structures and Algorithms
2	CSC 104	Object Oriented Programming
3	MAT 102	Multivariable Calculus
4	ENG 102	English II
5	MAT 104	Discrete Mathematical Structures
6	ACC101	Financial Accounting

Semester III
1	CEN 201	Digital Logic and Design
2	CSC 201	Database Management System
3	MAT 201	Linear Algebra
4	ENG 201	English III
5	MAT 100	Probability & Statistics
6	HSS 102	Foreign Languages I

Semester IV
1	CEN 202	Computer Organization & Assembly Language
2	CSC 202	Operating System
3	MAT 202	Differential Equation
4	SEN 202	Software Engineering
5	SEN 204	Web Engineering
6	HHS103	Foreign Language II

Semester V
1	CEN 301	Computer Architecture
2	CSC 301	Theory of Automata &Formal Language
3	SEN 301	Human Computer Interaction

Semester VI
1	CSC 302	Design &Analysis of Algorithms
2	CSC 304	Compiler Construction
3	CSC 306	Computer Graphics

4	CEN 303	Computer Communication &Network	
5	HSS 301	Professional Practices	
6	MGT XXX	Elective I (Management/ social science)	

4	MAT 301	Numerical Computing	
5	XXX XXX	Elective I (Computer Science)	
6	MGT XXX	Elective II (Management / Social Sciences)	

Semester VII

1   CSC 401   Artificial Intelligence
2   XXXXXX   Elective II (Computer Science)
3   XXXXXX   Elective III (Computer Science)
4   XXXXXX   Elective IV (Computer Science)
5   CSC 499   Final Year Project I (Computer Science)

Semester VIII

1   XXXXXX   Elective V (Computer Science)
2   XXXXXX   Elective VI (Computer Science)
3   XXXXXX   Elective VII(Computer Science)
4   MGT XXX   Elective II (Management/ social science)
5   CSC 500   Final Year Project II (Computer Science)

BS Computer Science Electives:

Electives:

SOFTWARE ENGINEERING
Design Patterns
Software Testing and Quality Assurance
Software Engineering Economics
Software Project Management
Formal Methods
Software Architecture
Software Quality Engineering
Software Requirements Engineering
Software Development Methodologies
Software Security Testing and Code Assessment
Service Oriented Architecture
Software Verification Techniques

INFORMATION SECURITY
Ethical Hacking
Applied Cryptography
Information Security Strategies and Policies
Digital Forensics
Secure Coding & Software Security
Cyber Crime
Security of Wireless Networks
Disaster Management & Recovery
Mobile Security and Forensics
Penetration Testing

COMPUTERS NETWORK
Network Planning & Administration
Internet working
Digital Signal Processing
Internet Routing and Switching
Signal and System
Mobile Communication
Wireless Systems
WAN Technologies
Telecom Transmission & Switching Systems
Network Programming

ARTIFICIAL INTELLIGENCE
Knowledge Representation and Reasoning
Multi-agent Systems
Computational Ontologies
Computer Vision & Virtual Reality
Natural Language Processing
Image Processing
Machine Learning
Bioinformatics
Artificial Intelligence Programming

iv) Department of Environmental Sciences

BACHELOR STUDIES (BS) IN ENVIRONMENTAL SCIENCES (4 YEARS PROGRAM)

Semester I
1   ENV101   Introduction to Environmental Sciences
3   ENV105   Chemistry I
4   ENV107   Biology I
5   CSC101   Introduction to Computer and its Applications
6   ENG101   English I

Semester III
1   ENV201   Environmental Microbiology
2   ENV203   Environmental Chemistry
3   ENV205   Sociology
4   ENV207   Environmental Sampling and Analytical Techniques
5   MAT203   Statistics

Semester V
1   ENV301   Biochemistry
2   ENV303   Energy and Environment
3   ENV305   Environmental Toxicology
4   ENV307   Environmental Management System
5   ENV309   Environmental Pollution Monitoring I
6   ENVXXX   Elective I

Semester VII
1   ENV401   Climate Change
2   ENV403   Remote Sensing and GIS
3   ENV405   Disaster Risk Management
4   ENV407   Environmental Technology
5   ENVXXX   Elective III
6   ENV499   Final Year Project I (Optional)*Internship

Semester II
1   ENV102   Fundamentals of Ecology
3   ENV106   Chemistry II
4   ENV108   Biology II
5   ENG102   English II
6   HSS101   Islamiat and Pakistan Studies

Semester IV
1   ECO100   Introduction to Economics
2   PSY101   Introduction to Psychology
3   ENV206   Aquatic Pollution
4   ENV208   Air and Noise Pollution
5   ENV210   Fundamentals of Earth Sciences
6   ENG212   English V

Semester VI
1   RMT300   Introduction to Research Methodology
2   ENV304   Environmental Biotechnology
3   ENV306   Environmental Pollution Monitoring II
4   ENV308   Solid Waste Management
5   ENVXXX   Elective II

Semester VIII
1   ENV402   Environmental Impact Assessment
2   ENV404   Environmental Economics
3   ENV406   Occupational ,Health, Safety and Environment
4   ENV408   Environmental Laws and Policies/Environmental Governance
5   ENVXXX   Elective IV
6   ENV500   Final Year Project II(Optional)*/Internship

BS Environmental Sciences Electives

ELECTIVE I
1   ENV311   Biodiversity and Conservation
2   ENV313   Natural resource Management
3   ENV315   Project Management

ELECTIVE III
1   ENV409   Pollution Control Technologies
2   ENV413   Ecotourism
3   ENV415   Coastal Environmental Management

ELECTIVE II			ELECTIVE IV		
1	ENV310	Environmental Physics	1	ENV410	Urban Environmental Management
2	ENV312	Water Resource Management	2	ENV412	Agro Ecology
3	ENV314	Environmental Profile and Issues of Pakistan	3	ENV414	Pollutant Movement in Environment

v) Department of Education

BS Education (4 YEARS PROGRAM)

Semester I

S. NO	COURSE CODE	COURSE TITLE
1	EDU101	Elements of Education
2	EDU103	Emerging Issues in Education
3	EDU105	General Teaching Methods
4	SOC101	Introduction to Sociology
5	ENG101	English I
6	CSC101	Introduction to Computer and its Applications

Semester II

S. NO	COURSE CODE	COURSE TITLE
1	EDU102	Elements of Education-II
2	EDU104	Educational Leadership
3	PSY101	Introduction to Psychology
4	ENV101	Introduction to Environmental Sciences
5	HSS101	Islamiat & Pakistan Studies
6	ENG102	English II

Semester III

S. NO	COURSE CODE	COURSE TITLE
1	EDU201	Foundation of Education
2	EDU203	Introduction to Special Education
3	EDU205	Distance Learning
4	HSS102	Foreign Languages I
5	EDU207	Reflective Practice

Semester IV

S. NO	COURSE CODE	COURSE TITLE
1	EDU202	Global Studies in Education
2	EDU204	Teaching Practice I
3	EDU206	Information and Communication Technology in Education
4	HSS103	Foreign Languages II
5		Specific Teaching Methods-I (Optional Subjects any one)
6	ENG201	English III

Semester V

S. NO	COURSE CODE	COURSE TITLE
1	EDU301	Curriculum Development
2	EDU303	Advance Educational Psychology
3	EDU305	Organization and Management of Education
4	EDU307	Educational Measurement & Evaluation
5	MAT207	Statistics in Education
6		Content-I (Optional subject any one)

Semester VI

S. NO	COURSE CODE	COURSE TITLE
1	EDU302	School Community and Teacher
2	EDU304	Test Construction
3	EDU306	Textbook Development
4	EDU308	Instructional Techniques and Applications
5	EDU310	Research Methods
6		Specific Teaching Methods-II (Optional subject any one)

Semester VII

S. NO	COURSE CODE	COURSE TITLE
1	EDU401	Guidance and Counseling
2	EDU403	Computer Application in Research
3	EDU405	Teaching Practice-II (Subject related)
4	RMT500	Research Methodology & Techniques
5		Content-II (Optional subject any one)
6		Content-III(Optional subject any one)

Compulsory Internship (ONE MONTH) for getting Degree

Semester VIII

S. NO	COURSE CODE	COURSE TITLE
1	EDU402	Inclusive Education
2	EDU404	Human Rights Education
3	EDU406	Teaching Practice-III (Subjects related)
4		Specific Teaching Methods-III (Optional subject any one)
5	EDU500	Research Thesis (Practical)

BS EDUCATION Elective

CONTENT-I

S. NO	COURSE CODE	COURSE TITLE
1	EDU309	English (Contents)
2	EDU311	Â Biology (Contents)
3	EDU313	General Mathematics (Contents)

CONTENT-II

S. NO	COURSE CODE	COURSE TITLE
1	EDU407	Pakistan Studies (Contents)
2	EDU409	General Science (Contents)
3	EDU411	Chemistry (Content)

CONTENT-III

S. NO	COURSE CODE	COURSE TITLE
1	EDU413	Islamiat (Contents)
2	EDU415	Urdu (Content)
3	EDU417	Physics (Contents)

TEACHING-I

S. NO	COURSE CODE	COURSE TITLE
1	EDU208	English (Teaching Methods)
2	EDU210	Biology (Teaching Methods)
3	EDU212	General Mathematics (Teaching Methods)

TEACHING-II

S. NO	COURSE CODE	COURSE TITLE
1	EDU312	Pakistan Studies (Teaching Methods)
2	EDU314	General Science (Teaching Methods)
3	EDU416	Chemistry (Teaching methods)

TEACHING-III

S. NO	COURSE CODE	COURSE TITLE
1	EDU408	Islamiat (Teaching Methods)
2	EDU410	Urdu (Teaching Methods)
3	EDU412	Physics (Teaching Methods)