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UNIVERSITY OF CENTRAL PUNJAB

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University of Central Punjab
The Centre Of Your Future

FACULTY OF MANAGEMENT STUDIES

HANDBOOK 2023-24

Your
Journey
Starts
Here



1. BACHELOR IN BUSINESS ADMINISTRATION (BBA)

1.1 Admission Requirements

- (i) At least 45% marks in intermediate or equivalent
- (ii) All applicants are required to pass UCP Admission Test

1.1 Degree Requirements

Each candidate of BBA degree is required to complete 132 Cr. Hrs. with the minimum CGPA of 2.0 out of 4.0 as per the following detail:

| | Area | Cr. Hrs. |
|----|------------------------|----------|
| a) | Foundation Courses | 12 |
| b) | Common Courses | 36 |
| c) | Core Courses | 48 |
| d) | Elective Courses | 15 |
| e) | Specialization Courses | 15 |
| f) | Project/Internship | 06 |
| g) | Community Service | 00 |
| | Total | 132 |

a) Foundation Courses (12 Cr. Hrs.)

| Course Title | Code | Cr. Hrs. |
|-----------------------------|----------|----------|
| Business and Ethics | BAHU1023 | 3 |
| Introduction to IT | BAIT1003 | 3 |
| Microeconomics for Business | BAEC1703 | 3 |
| Macroeconomics for Business | BAEC2713 | 3 |

b) Common Courses (36 Cr. Hrs.)

| Course Title | Code | Cr. Hrs. |
|------------------|--------|----------|
| English-I | Eng101 | 3 |
| English-II | Eng102 | 3 |
| English-III | ENG203 | 3 |
| Mathematics - I | MAT101 | 3 |
| Mathematics - II | MAT201 | 3 |
| Statistics - I | STS101 | 3 |
| Statistics - II | STS201 | 3 |
| Pakistan Studies | PAK101 | 2 |

| Course Title | Code | Cr. Hrs. |
|----------------------------------|--------|----------|
| Islamic Studies | ISL201 | 2 |
| Fundamentals of Entrepreneurship | ENT101 | 1 |
| Career Lab | CLB301 | 1 |

One Course from each Group

Group-I: Islamic History & Civilization

| | | |
|--|----------|---|
| Islamic History: The Umayyad and Abbasid Periods | BAHU3053 | 3 |
| Islam and Modernity | BAHU3063 | 3 |
| Modern Muslim World | BAHU3073 | 3 |

Group II: Language and Literature

| | | |
|--------------------|----------|---|
| English Literature | BAEL2043 | 3 |
| Urdu Literature | BAEL2053 | 3 |
| Study of Iqbal | BAEL2063 | 3 |
| Chinese Language | BAEL2073 | 3 |
| German Language | BAEL2083 | 3 |
| French Language | BAEL2093 | 3 |
| Arabic Language | BAEL2003 | 3 |

Group III: Social Sciences

| | | |
|-----------------------------|----------|---|
| Logic | BAHU3003 | 3 |
| Sociology | BAHU3013 | 3 |
| Psychology | BAHU3023 | 3 |
| Religion and Ethical Issues | BAHU3043 | 3 |
| Modern World History | BAHU3053 | 3 |

c) Core Courses (48 Cr. Hrs.)

| Course Title | Code | Cr. Hrs. |
|---|----------|----------|
| Introduction to Financial Accounting | BAAC1203 | 3 |
| Pakistan Today | BAHU1043 | 3 |
| Managerial Accounting | BAAC2213 | 3 |
| Law, Politics and Society | BALW2003 | 3 |
| Fundamentals of Marketing | BAMK2103 | 3 |
| Information Systems & Modern World | BAIT2013 | 3 |
| Business Finance | BAAC2233 | 3 |
| Fundamentals of Management & Organization | BAMG2803 | 3 |
| Introduction to Human Resource Management | BAHR3303 | 3 |

| Course Title | Code | Hrs. |
|---------------------------------------|----------|------|
| Financial Management | BAMG3813 | 3 |
| Marketing Management | BAMK3113 | 3 |
| Fundamentals of Operations Management | BAMG2823 | 3 |
| Human Behavior | BAMG3323 | 3 |
| Research Methods in Social Science | BAHU3033 | 3 |
| Business Strategy & Planning | BAHR3313 | 3 |
| Entrepreneurship | BAMG3603 | 3 |

d) Elective Courses (27 Cr. Hrs.)

Elective courses (one from each division: 15 Cr. Hrs.) / Specialization courses (five from the area of specialization: 15 Cr. Hrs.)

| Course Title | Code | Cr. Hrs. |
|---|----------|----------|
| Management | | |
| Leadership & Professional Development | BAMG4803 | 3 |
| Compensation Management | BAMG4813 | 3 |
| International Business | BAMG4823 | 3 |
| International & Comparative Management | BAMG4833 | 3 |
| Performance Management | BAMG4843 | 3 |
| Training & Development | BAMG4853 | 3 |
| Conflict Resolution | BAMG4863 | 3 |
| Organizational Change and Development | BAMG4873 | 3 |
| Negotiation and Dispute Resolution | BAMG4883 | 3 |
| International Human Resource Management | BAHR4303 | 3 |
| Recruitment and Selection | BAHR4313 | 3 |
| Marketing | | |
| Selling & Sales Management | BAMK4103 | 3 |
| Consumer Behavior | BAMK4113 | 3 |
| Marketing Research Design & Analysis | BAMK4123 | 3 |
| Service Marketing | BAMK4133 | 3 |
| Advertising & Promotion | BAMK4143 | 3 |
| International Marketing | BAMK4153 | 3 |

| Course Title | Code | Cr. Hrs. |
|---|----------|----------|
| Digital Marketing | BAMK4163 | 3 |
| IOM | | |
| Fundamentals of Supply Chain Management | BAMG4503 | 3 |
| Retail Supply Chain Management | BAMG4513 | 3 |
| Transportation and Distribution Planning | BAMG4523 | 3 |
| Supply Chain Sourcing | BAMG4533 | 3 |
| Production Management | BAMG4543 | 3 |
| Project Management | BAMG4893 | 3 |
| Enterprise Resource Planning Fundamentals | BAMG4553 | 3 |
| Business Process Development | BAMG4563 | 3 |
| Human Resource Information Systems | BAHR4323 | 3 |
| Electronic Business | BAMG4573 | 3 |
| Entrepreneurship | | |
| Entrepreneurial Marketing | BAMG4603 | 3 |
| Entrepreneurial Finance | BAMG4613 | 3 |
| Idea Generation & Creativity | BAMG4623 | 3 |
| Entrepreneurial Practicum | BAMG4633 | 3 |
| Business Model Development & Innovation | BAMG4643 | 3 |
| Small and Medium Enterprise Management | BAMG4653 | 3 |
| Finance | | |
| Investment Analysis | BAAF4203 | 3 |
| Islamic Finance | BAAF4213 | 3 |
| Capital Budgeting | BAAF4223 | 3 |
| Financial Markets & Institutions | BAAF4233 | 3 |
| International Finance | BAAF4243 | 3 |
| Financial Statement Analysis | BAAF4253 | 3 |
| Commercial Banking | BAAF4263 | 3 |
| Tax Management | BAAF4273 | 3 |

f) Project/Internship (06 Cr. Hrs.)

After the completion of 90 Cr. Hrs., the students are required to demonstrate their skills in the field of Business Administration by designing and implementing a project worth 6 Cr. Hrs. The project shall be completed in two parts as given below:

| Course Title | Code | Cr. Hrs. |
|--------------|--------|----------|
| Project I | BA4912 | 3 |
| Project II | BA4924 | 3 |

g) Community Service (BA3000)

Each student is required to complete 65 hours of voluntary work, usually after 4th semester, which would be a prerequisite for the award of the degree.

1.3 Program Duration

This is a four years degree Program comprising 8 semesters. There is a Fall and a Spring semester each year. The summer semester is utilized for deficiency courses. The maximum duration to complete the BBA Program is 7 years.



SCHEME OF STUDIES

Bachelor in Business Administration (BBA)

Semester I (15 Cr. Hrs.)

| Course Code | Course Title | Category | Cr. Hrs. |
|-------------|----------------------------------|------------|----------|
| MAT101 | Mathematics - I | Common | 3 |
| PAK101 | Pakistan Studies | Common | 2 |
| BAHU1023 | Business and Ethics | Foundation | 3 |
| Eng101 | English-I | Common | 3 |
| BAIT1003 | Introduction to IT | Foundation | 3 |
| ENT 101 | Fundamentals of Entrepreneurship | Common | 1 |

Semester II (18 Cr. Hrs.)

| Course Code | Course Title | Category | Cr. Hrs. |
|-------------|--------------------------------------|------------|----------|
| MAT201 | Mathematics - II | Common | 3 |
| BAAC1203 | Introduction to Financial Accounting | Core | 3 |
| BAEC1703 | Microeconomics for Business | Foundation | 3 |
| BAHU1043 | Pakistan Today | Core | 3 |
| ENG102 | English-II | Common | 3 |

Semester III (18 Cr. Hrs.)

| Course Code | Course Title | Category | Cr. Hrs. |
|-------------|-----------------------------|------------|----------|
| ISL201 | Islamic Studies | Compulsory | 2 |
| BAAC2213 | Managerial Accounting | Core | 3 |
| BAEC2713 | Macroeconomics for Business | Core | 3 |
| STS101 | Statistics - I | Common | 3 |
| ENG203 | English-III | Common | 3 |
| BALW2003 | Law, Politics and Society | Core | 3 |

Semester IV (18 Cr. Hrs.)

| Course Code | Course Title | Category | Cr. Hrs. |
|-------------|---|----------|----------|
| BAMK2103 | Fundamentals of Marketing | Core | 3 |
| BAIT2013 | Information Systems and Modern World | Core | 3 |
| BAAC2233 | Business Finance | Core | 3 |
| STS201 | Statistics - II | Common | 3 |
| BAMG2803 | Fundamentals of Management & Organization | Core | 3 |
| BAEL2xx3 | (Group-II) Language & Literature | Common | 3 |

Semester V (15 Cr. Hrs.)

| Course Code | Course Title | Category | Cr. Hrs. |
|-------------|---|----------|----------|
| BAHR3303 | Introduction to Human Resource Management | Core | 3 |
| BAMG3813 | Financial Management | Core | 3 |
| BAMK3113 | Marketing Management | Core | 3 |
| BAMG2823 | Fundamentals of Operations Management | Core | 3 |
| BAHU3xx3 | (Group-I) Islamic History | Common | 3 |

Semester VI (15 Cr. Hrs.)

| Course Code | Course Title | Category | Cr. Hrs. |
|-------------|------------------------------------|----------|----------|
| BAMG3323 | Human Behavior | General | 3 |
| BAHU3033 | Research Methods in Social Science | General | 3 |
| BAHR3313 | Business Strategy & Planning | Core | 3 |
| BAMG3603 | Entrepreneurship | Core | 3 |
| BAHU3xx3 | (Group-III) Social Sciences | General | 3 |
| CLB301 | Career Lab | Common | 3 |

Semester VII (18 Cr. Hrs.)

| Course Code | Course Title | Category | Cr. Hrs. |
|----------------------|-------------------------------|----------|----------|
| BAMK4xx3 | Elective I (Marketing) | Elective | 3 |
| BAAF4xx3 | Elective II (Finance) | Elective | 3 |
| BAHR4xx3 | Elective III (HRM) | Elective | 3 |
| BAMG4xx3 | Elective IV (IOM) | Elective | 3 |
| BAMG4xx3 | Elective V (Entrepreneurship) | Elective | 3 |
| BA4912/ MGMT 4090 | Project/Internship | | 3 |

Semester VIII (15 Cr. Hrs.)

| Course Code | Course Title | Category | Cr. Hrs. |
|---------------------|--------------------|----------------|----------|
| BAXX4xx3 | Major I | Specialization | 3 |
| BAXX4xx3 | Major II | Specialization | 3 |
| BAXX4xx3 | Major III | Specialization | 3 |
| BAXX4xx3 | Major IV | Specialization | 3 |
| BAXX4xx3 | Major V | Specialization | 3 |
| BA4924/ MGMT4090 | Project/Internship | | 3 |



BBA-Post ADP

Eligibility Criteria:

To apply for BBA-Post ADP, a candidate must have at least 45% marks or 2.00/4.00 CGPA in ADP Business Administration or equivalent. All applicants are required to pass UCP Admission Test.

Degree Requirement:

After completion of Post ADP-BA, students will be awarded a BBA degree that has a requirement of 132 credit hours with a minimum CGPA of 2.0 on the scale of 4.0

For Business Education Background Students (Prior degree ADP-Business Administration):

Students will be given admission in the 5th semester if they meet the admission criteria and they will study 4 semesters to complete the Post ADP-BA degree. Upon admission, they will have to complete a total of **67 credit hours** as per the following scheme of studies. 61 credit hours of coursework and a 6-credit hour project/internship.

Semester V (15 Cr. Hrs.)

| Course Code | Course Title | Category | Cr. Hrs. |
|-------------|---|----------|----------|
| BAHR3303 | Introduction to Human Resource Management | Core | 3 |
| BAMG3813 | Financial Management | Core | 3 |
| BAMK3113 | Marketing Management | Core | 3 |
| BAMG2823 | Fundamentals of Operations Management | Core | 3 |
| BAHU3xx3 | (Group-I) Islamic History | Common | 3 |

Semester V1 (16 Cr. Hrs.)

| Course Code | Course Title | Category | Cr. Hrs. |
|-------------|------------------------------------|----------|----------|
| BAMG3323 | Human Behavior | Core | 3 |
| BAHU3033 | Research Methods in Social Science | Core | 3 |
| BAHR3313 | Business Strategy & Planning | Core | 3 |
| BAMG3603 | Entrepreneurship | Core | 3 |
| BAHU3xx3 | (Group-III) Social Sciences | Common | 3 |
| CLB301 | Career Lab | Common | 1 |

Semester VII (18 Cr. Hrs.)

| Course Code | Course Title | Category | Cr. Hrs. |
|------------------|-------------------------------|----------|----------|
| BAMK4xx3 | Elective I (Marketing) | Elective | 3 |
| BAAF4xx3 | Elective II (Finance) | Elective | 3 |
| BAHR4xx3 | Elective III (HRM) | Elective | 3 |
| BAMG4xx3 | Elective IV (IOM) | Elective | 3 |
| BAMG4xx3 | Elective V (Entrepreneurship) | Elective | 3 |
| BA4912/MGMT 4090 | Project/Internship | | 3 |

Semester VIII (18 Cr. Hrs.)

| Course Code | Course Title | Category | Cr. Hrs. |
|-----------------|--------------------|----------------|----------|
| BAXX4xx3 | Major I | Specialization | 3 |
| BAXX4xx3 | Major II | Specialization | 3 |
| BAXX4xx3 | Major III | Specialization | 3 |
| BAXX4xx3 | Major IV | Specialization | 3 |
| BAXX4xx3 | Major V | Specialization | 3 |
| BA4924/MGMT4090 | Project/Internship | | 3 |



**For Non-Business Education Background Students
(B. Com, B. Com IT, ADP-Accounting & Finance, BSc. with Mathematics
/Statistics/Economics Background):**

Students will be given admission in the 5th semester if they meet the admission criteria however, they will have to study one extra semester for fulfil the deficiency courses requirement. Upon admission, they will have to complete a total of **79 credit hours** as per the following scheme of studies. 73 credit hours of course work and a 6-credit hour project/internship.

Semester V (12 Cr. Hrs.)

| Course Code | Course Title | Category | Cr. Hrs. |
|-------------|---|------------|----------|
| BAHU1023 | Business & Ethics | Foundation | 3 |
| BAAC2233 | Business Finance | Core | 3 |
| BAMK2103 | Fundamentals of Marketing | Core | 3 |
| BAMG2803 | Fundamentals of Management & Organization | Core | 3 |

Semester V1 (15 Cr. Hrs.)

| Course Code | Course Title | Category | Cr. Hrs. |
|-------------|---|----------|----------|
| BAHR3303 | Introduction to Human Resource Management | Core | 3 |
| BAMG3813 | Financial Management | Core | 3 |
| BAMK3113 | Marketing Management | Core | 3 |
| BAMG2823 | Fundamentals of Operations Management | Core | 3 |
| BAHU3xx3 | (Group-I) Islamic History | Common | 3 |

Semester V11 (16 Cr. Hrs.)

| Course Code | Course Title | Category | Cr. Hrs. |
|-------------|------------------------------------|----------|----------|
| BAMG3323 | Human Behavior | Core | 3 |
| BAHU3033 | Research Methods in Social Science | Core | 3 |
| BAHR3313 | Business Strategy & Planning | Core | 3 |
| BAMG3603 | Entrepreneurship | Core | 3 |
| BAHU3xx3 | (Group-III) Social Sciences | Common | 3 |
| CLB301 | Career Lab | Common | 3 |

Semester VII (18 Cr. Hrs.)

| Course Code | Course Title | Category | Cr. Hrs. |
|-------------|------------------------------------|----------|----------|
| BAMG3323 | Human Behavior | Core | 3 |
| BAHU3033 | Research Methods in Social Science | Core | 3 |
| BAHR3313 | Business Strategy & Planning | Core | 3 |
| BAMG3603 | Entrepreneurship | Core | 3 |
| BAHU3xx3 | (Group-III) Social Sciences | Common | 3 |
| CLB301 | Career Lab | Common | 1 |

Semester VIII (18 Cr. Hrs.)

| Course Code | Course Title | Category | Cr. Hrs. |
|------------------|-------------------------------|----------|----------|
| BAMK4xx3 | Elective I (Marketing) | Elective | 3 |
| BAAF4xx3 | Elective II (Finance) | Elective | 3 |
| BAHR4xx3 | Elective III (HRM) | Elective | 3 |
| BAMG4xx3 | Elective IV (IOM) | Elective | 3 |
| BAMG4xx3 | Elective V (Entrepreneurship) | Elective | 3 |
| BA4912/MGMT 4090 | Project/Internship | | 3 |

Semester IX (18 Cr. Hrs.)

| Course Code | Course Title | Category | Cr. Hrs. |
|-----------------|--------------------|----------------|----------|
| BAXX4xx3 | Major I | Specialization | 3 |
| BAXX4xx3 | Major II | Specialization | 3 |
| BAXX4xx3 | Major III | Specialization | 3 |
| BAXX4xx3 | Major IV | Specialization | 3 |
| BAXX4xx3 | Major V | Specialization | 3 |
| BA4924/MGMT4090 | Project/Internship | | 3 |

2.1 BS Real Estate Management

The real estate sector has emerged as an engine of growth owing to the Infrastructure-led development across the world and a priority area of the Government of Pakistan, . However, as private sector participation continues to rise, the sector is experiencing a shortage of quality human capital. Therefore, UCP has launched the BS Real Estate Management Programme, the first of its kind with multidisciplinary content that includes Project Management, Engineering, Economics, Law, Marketing, and IT related to real estate. The programme has been co-developed with Pakistan's leading real estate houses. It includes extensive exposure to real estate projects and on-the-job training. As a result, the graduates of BS in REM are enjoying extensive acceptance in the job market as RE Entrepreneur, Business Developer, Property Managers, Procurement Management, Project Supervisor, Quality Surveyors, Conservation Officers and Facility Managers. It opens the door to pursue their businesses while keeping abreast with sustainable, innovative ideas and smart solutions.

2.1 Program Duration

This is a four-year degree program comprising 8 semesters. There is a Fall and a Spring semester each year. The summer semester is utilized for deficiency courses. The maximum duration to complete the BS Real Estate Management program is 7 years.

2.2 Admissions Requirements

- (i) Higher Secondary School Certificate or equivalent securing at least 45% marks in aggregate
- (ii) UCP admission test or HEC approved test

a. Degree Requirements

Each candidate of BS Real Estate Management degree is required to complete 126 Cr. Hrs. with the minimum CGPA of 2.0 on a scale of 4.0 as per the following detail:

| Area | Cr. Hrs. |
|-----------------------|------------|
| a) Foundation Courses | 30 |
| b) Common Courses | 21 |
| c) Core Courses | 65 |
| e) Elective Courses | 06 |
| g) Project | 04 |
| h) Community Service | 00 |
| Total | 126 |

Community Work (BA3000)

Each Student is required to complete 65 hours voluntary work, usually after 4th semester which would be a prerequisite for the award of degree.

SCHEME OF STUDIES

Bachelor in Real Estate Management (BS REM)

Semester I (18 Cr. Hrs.)

| Course Code | Course Title | Category | Cr. Hrs. |
|-------------|---|------------|----------|
| BARE1113 | Introduction to Real Estate Business and Industry | Foundation | 3 |
| BARE1123 | Pakistan Real Estate Prospects & Challenges | Core | 3 |
| ENG101 | English-I | Common | 3 |
| BAMG2803 | Fundamentals of Management & Organization | Core | 3 |
| ENT101 | Fundamentals of Entrepreneurship | Common | 1 |
| PAK101 | Pakistan Studies | Common | 2 |
| BAEC1713 | Introduction to Economics | Foundation | 3 |
| BARE1910* | Field Trip-I | | 0 |

Semester II (15 Cr. Hrs.)

| Course Code | Course Title | Category | Cr. Hrs. |
|-------------|---------------------------------------|------------|----------|
| MAT101 | Mathematics - I | Common | 3 |
| ENG102 | English – II | Common | 3 |
| BAAC2253 | Qualitative Analysis | Foundation | 3 |
| BARE1133 | HR Practices in Real Estate | Foundation | 3 |
| BARE1143 | Construction Materials and Technology | Core | 2+1 |
| | Field Trip-II | | 0 |

Semester III (17 Cr. Hrs.)

| Course Code | Course Title | Category | Cr. Hrs. |
|-------------|--|------------|----------|
| AFHU2013 | Islamic Studies | Common | 2 |
| AFMT1003 | Quantitative Methods | Foundation | 3 |
| FNL101 | Foreign Language | Common | 3 |
| ENG201 | English – III | Common | 3 |
| BAIT2403 | Computer Applications in RE | Foundation | 2+1 |
| BARE2153 | Construction Engineering and Practices | Core | 2+1 |
| | Field Trip-III | | 0 |

Semester IV (17 Cr. Hrs.)

| Course Code | Course Title | Category | Cr. Hrs. |
|-------------|---|------------|----------|
| BALW2023 | Regulatory Frameworks & Documentations | Core | 3 |
| BAAF1213 | Introduction to Banking & Finance | Foundation | 3 |
| BALW2013 | Insurance, Leasing & Mortgage in RE | Core | 3 |
| BAIT2413 | Information & Communication Technology | Foundation | 3 |
| BAMG2833 | Project Management | Core | 3 |
| BARE2162 | Developing Smart and Sustainable Cities | Core | 2 |
| | Field Trip-IV | | 0 |

Semester V (17 Cr. Hrs.)

| Course Code | Course Title | Category | Cr. Hrs. |
|-------------|--|------------|----------|
| BARE3113 | Real Estate Planning, Practice, and Policy | Core | 3 |
| BARE3123 | Architecture & Interior Designs | Core | 3 |
| BAAF3223 | Project Appraisal & Credit Management | Core | 3 |
| BARE3132 | Surveying | Core | 1+1 |
| BAMG3613 | Ideas Generation & Creativity | Foundation | 3 |
| BAMG2813 | Green Behavior | Core | 3 |
| | Field Trip-V | | 0 |

Semester V1 (15 Cr. Hrs.)

| Course Code | Course Title | Category | Cr. Hrs. |
|-------------|---|------------|----------|
| BAMK3903 | Real Estate Marketing | Core | 3 |
| BAAF3233 | Financial Markets and Fund Management | Core | 3 |
| BARE3143 | Urban Economics and Property Markets | Core | 3 |
| BAMG3823 | Ethical Practices & Leadership | Foundation | 3 |
| BARE3152 | Introduction to GIS, Mapping and Remote Sensing | Core | 1+1 |
| CLB301 | Career Lab | Common | 1 |

Semester VII (13 Cr. Hrs.)

| Course Code | Course Title | Category | Cr. Hrs. |
|-------------|-----------------------------------|----------|----------|
| BARE4112 | CAD,3D Exterior, 3D Animation | Core | 1+1 |
| BALW4023 | Property Law, Taxes and Practices | Core | 3 |
| BARE4123 | Global Real Estate Sector | Core | 3 |
| BARE4133 | Property Valuation | Core | 3 |
| BA4912 | Final Year Project Phase-I | Project | 2 |

Semester VIII (14 Cr. Hrs.)

| Course Code | Course Title | Category | Cr. Hrs. |
|-------------|--|----------|----------|
| BARE4143 | Facilities Management | Core | 3 |
| BARE4153 | Real Estate Investment Decision | Core | 3 |
| BAAC4243 | Corporate Finance and Asset Markets | Elective | 3 |
| BARE4163 | Contemporary Trends & Emerging Practices in RE | Elective | 3 |
| BA4922 | Final Year Project Phase-II | Project | 2 |



2. BS Accounting and Finance

3.1 Admissions Requirements

Higher Secondary School Certificate or Equivalent securing at least 45% marks in aggregate

UCP admission test or HEC-approved test

3.2 Degree Requirements

Each candidate of BS Accounting and Finance degree is required to complete 126 Cr. Hrs. with a minimum CGPA of 2.0 on a scale of 4.0 as per the following detail:

| Area | Cr. Hrs. |
|---------------------------|------------|
| a) Common Courses | 29 |
| b) Foundation Courses | 34 |
| c) Core Courses | 24 |
| d) Elective Courses | 15 |
| e) Specialization Courses | 18 |
| f) Project | 06 |
| g) Community Service | 00 |
| Total | 126 |

a) Common Courses (29 Cr. Hrs.)

| Course Title | Code | Cr. Hrs. |
|-------------------------------------|----------|----------|
| English-I | ENG101 | 3 |
| Pakistan Studies | PK101 | 2 |
| Quantitative Methods | AFMT1003 | 3 |
| Fundamentals of Information Systems | AFIT1403 | 3 |
| English-II | ENG102 | 3 |
| Foreign Language (Chinese) | FNL101 | 3 |

| Course Title | Code | Cr. Hrs. |
|---------------------|----------|----------|
| Sociology | SCO201 | 3 |
| Islamic Studies | ISL201 | 2 |
| English-III | ENG203 | 3 |
| Business Statistics | AFMT3013 | 3 |
| Career Lab | CLB301 | 1 |

b) Foundation Courses (34 Cr. Hrs.)

| Course Title | Code | Cr. Hrs. |
|----------------------------------|----------|----------|
| Fundamentals of Entrepreneurship | ENT101 | 1 |
| Principles of Management | AFMG1803 | 3 |
| Financial Accounting | AF1203 | 3 |
| Principles of Economics | AFEC2703 | 3 |
| Principles of Marketing | AFMK1103 | 3 |
| Human Resource Management | AFHR1303 | 3 |
| Cost & Management Accounting | AF2213 | 3 |
| Business Law | AFLW2003 | 3 |
| Governance, Risk & Ethics | AFHU3033 | 3 |
| Banking Laws and Practices | AFLW3013 | 3 |
| Computerized Accounting | AF3223 | 3 |
| Research Methods in Business | AFHU4043 | 3 |

c) Core Courses

| Course Title | Code | Cr. Hrs. |
|------------------------|----------|----------|
| Financial Management | AFMG2833 | 3 |
| Financial Reporting | AF2233 | 3 |
| Performance Management | AFMG2823 | 3 |
| Corporate Law | AFLW2023 | 3 |
| Investment Appraisal | AF2243 | 3 |
| Corporate Reporting | AFHR3313 | 3 |
| Audit & Assurance | AF2253 | 3 |
| Taxation Management | AFMG1813 | 3 |

d) Elective Courses (15 Cr. Hrs.)

| Course Title | Code | Cr. Hrs. |
|------------------------------|----------|----------|
| Business Analysis | AFMG3833 | 3 |
| Strategic Planning | AFMG3843 | 3 |
| Enterprise Resource Planning | AFMG4603 | 3 |
| Entrepreneurship | AFMG4613 | 3 |
| Organizational Behavior | AFMG4853 | 3 |

e) Specialization Courses (18 Cr. Hrs.)

| Course Title | Code | Cr. Hrs. |
|-------------------------------------|----------|----------|
| Financial Analysis | AF3263 | 3 |
| Advanced Corporate Reporting | AFHR3323 | 3 |
| Investment and Portfolio Management | AFMG4863 | 3 |
| Performance Strategy | AFHR4333 | 3 |
| Taxation Laws and Practices | AFMG4823 | 3 |
| Advanced Audit & Assurance | AF4283 | 3 |

f) Project (06 Cr. Hrs.)

After the completion of 90 Cr. Hrs., the students are required to demonstrate their skills in the field of Accounting and Finance by designing and implementing a project worth 6 Cr. Hrs. The project shall be completed in two parts as given below:

| Course Title | Code | Cr. Hrs. |
|--------------|--------|----------|
| Project I | AF4912 | 3 |
| Project II | AF4914 | 3 |

g) Community Work (AF3000)

Each student is required to complete 65 hours of community work, usually after the 4th semester which would be a prerequisite for the award of degree.

3.3) Program Duration

This is a four-year degree program comprising 8 semesters. There is a Fall and a Spring semester each year. The Summer semester is utilized for Internship or deficiency courses. The maximum duration to complete the BS Accounting & Finance program is 7 years.



SCHEME OF STUDIES

BS Accounting and Finance

Semester I (15 Cr. Hrs.)

| Course Code | Course Title | Category | Cr. Hrs. |
|-------------|-------------------------------------|------------|----------|
| ENG101 | English-I | Common | 3 |
| AFMG1803 | Principles of Management | Foundation | 3 |
| PAK101 | Pakistan Studies | Common | 2 |
| ENT101 | Fundamentals of Entrepreneurship | Foundation | 1 |
| AFMT1003 | Quantitative Methods | Common | 3 |
| AFIT1403 | Fundamentals of Information Systems | Common | 3 |

Semester II (15 Cr. Hrs.)

| Course Code | Course Title | Category | Cr. Hrs. |
|-------------|---------------------------|------------|----------|
| AF1203 | Financial Accounting | Foundation | 3 |
| ENG102 | English-II | Common | 3 |
| AFMK1103 | Principles of Marketing | Foundation | 3 |
| AFHR1303 | Human Resource Management | Foundation | 3 |
| FNL101 | Foreign Language | Common | 3 |

Semester III (15 Cr. Hrs.)

| Course Code | Course Title | Category | Cr. Hrs. |
|-------------|------------------------------|------------|----------|
| AF2213 | Cost & Management Accounting | Foundation | 3 |
| AFLW2003 | Business Law | Foundation | 3 |
| AFEC2703 | Principles of Economics | Foundation | 3 |
| AFMG2833 | Financial Management | Core | 3 |
| AF2233 | Financial Reporting | Core | 3 |

Semester IV (17 Cr. Hrs.)

| Course Code | Course Title | Category | Cr. Hrs. |
|-------------|------------------------|----------|----------|
| AFMG2823 | Performance Management | Core | 3 |
| AFLW2023 | Corporate Law | Core | 3 |
| AF2243 | Investment Appraisal | Core | 3 |
| SCO201 | Sociology | Common | 3 |
| ISL201 | Islamic Studies | Common | 2 |
| ENG203 | English-III | Common | 3 |

Semester V (15 Cr. Hrs.)

| Course Code | Course Title | Category | Cr. Hrs. |
|-------------|---------------------------|------------|----------|
| AFMT3013 | Business Statistics | Common | 3 |
| AFAC3313 | Corporate Reporting | Core | 3 |
| AFHU3033 | Governance, Risk & Ethics | Foundation | 3 |
| AFMG3833 | Business Analysis | Elective | 3 |
| AFMG3843 | Strategic Planning | Elective | 3 |

Semester VI (16 Cr. Hrs.)

| Course Code | Course Title | Category | Cr. Hrs. |
|-------------|------------------------------|----------------|----------|
| AFLW3013 | Banking Laws and Practices | Foundation | 3 |
| AF3263 | Financial Analysis | Specialization | 3 |
| AFHR3323 | Advanced Corporate Reporting | Specialization | 3 |
| AF3223 | Computerized Accounting | Foundation | 3 |
| AF3253 | Audit and Assurance | Core | 3 |
| CLB301 | Career Lab | Common | 1 |

Semester VII (15 Cr. Hrs.)

| Course Code | Course Title | Category | Cr. Hrs. |
|-------------|-------------------------------------|----------------|----------|
| AFMG4813 | Taxation Management | Core | 3 |
| AFHU4043 | Research Methods in Business | Foundation | 3 |
| AFMG4863 | Investment and Portfolio Management | Specialization | 3 |
| AFHR4333 | Performance Strategy | Specialization | 3 |
| AF4912 | Project I | Project | 3 |

Semester VIII (18 Cr. Hrs.)

| Course Code | Course Title | Category | Cr. Hrs. |
|-------------|------------------------------|----------------|----------|
| AFMG4603 | Enterprise Resource Planning | Elective | 3 |
| AFMG4613 | Entrepreneurship | Elective | 3 |
| AFMG4823 | Taxation Laws and Practices | Specialization | 3 |
| AF4283 | Advanced Audit & Assurance | Specialization | 3 |
| AFMG4853 | Organizational Behavior | Elective | 3 |
| AF4914 | Project II | Project | 3 |

BS Accounting & Finance-Post ADP

Eligibility Criteria:

To apply for BS Accounting & Finance-Post ADP, a candidate must have at least 45% marks or 2.00/4.00 CGPA in ADP Accounting & Finance or equivalent. All applicants are required to pass UCP Admission Test.

4. BS Audit and Taxation

4.1 Admission Requirements

- 1) Higher Secondary School Certificate or Equivalent securing at least 45% marks in aggregate
- 2) UCP admission test or HEC approved test

4.2 Degree Requirements

Each candidate of BS Audit and Taxation degree is required to complete 126 Cr. Hrs. with the minimum CGPA of 2.0 on the scale of 4.0 as per the following detail:

| Area | | Hrs. |
|-------|------------------------|------|
| a) | Compulsory Courses | 33 |
| b) | Foundation Courses | 33 |
| c) | Core Courses | 27 |
| d) | Specialization Courses | 27 |
| e) | Project | 06 |
| f) | Internship | 00 |
| f) | Community Service | 00 |
| Total | | 126 |

a) Compulsory Courses (33 Cr. Hrs.)

| Course Code | Course Title | Cr. Hrs. |
|-------------|-------------------------------------|----------|
| ENG101 | English-I | 3 |
| PK101 | Pakistan Studies | 2 |
| ENT101 | Fundamentals of Entrepreneurship | 1 |
| AFMT1003 | Quantitative Methods | 3 |
| AFIT1403 | Fundamentals of Information Systems | 3 |
| ENG102 | English-II | 3 |
| FNL101 | Foreign Language (Chines) | 3 |
| AFEC2703 | Principles of Economics | 3 |
| SCO201 | Sociology | 3 |
| ISL201 | Islamic Studies | 2 |
| ENG203 | English-III | 3 |
| AFMT3013 | Business Statistics | 3 |
| CLB301 | Career Lab | 1 |

b) Foundation Courses (33 Cr. Hrs.)

| Course Code | Course Title | Cr. Hrs. |
|-------------|------------------------------|----------|
| AFMG1803 | Principles of Management | 3 |
| AF1203 | Financial Accounting | 3 |
| FMK1103 | Principles of Marketing | 3 |
| AFHR1303 | Human Resource Management | 3 |
| AF2213 | Cost & Management Accounting | 3 |
| AFLW2003 | Business Law | 3 |
| AFTX3413 | Principles of Income Tax | 3 |
| AFTX3423 | Principles of Sales Tax | 3 |
| AFAU3243 | Financial Information System | 3 |
| AFLW3013 | Banking Laws and Practices | 3 |
| AFHU4043 | Research Methods in Business | 3 |

c) Core Courses (27 Cr. Hrs.)

| Course Code | Course Title | Cr. Hrs. |
|-------------|------------------------|----------|
| AFMG2833 | Financial Management | 3 |
| AF2233 | Financial Reporting | 3 |
| AFMG2823 | Performance Management | 3 |
| AFLW2023 | Corporate Law | 3 |
| AF2243 | Investment Appraisal | 3 |
| AFHR3313 | Corporate Reporting | 3 |
| AF2253 | Audit & Assurance | 3 |
| AFMG1813 | Taxation Management | 3 |
| AFMG4613 | Entrepreneurship | 3 |

d) Specialization Courses (27 Cr. Hrs.)

| Course Code | Course Title | Cr. Hrs. |
|-------------|------------------------------|----------|
| AF3263 | Financial Analysis | 3 |
| AFTX3433 | Tax Regimes | 3 |
| AF3223 | Computerized Accounting | 3 |
| AFAU4523 | Internal Auditing | 3 |
| AFHR4333 | Federal Excise Duty | 3 |
| AFMG4603 | Enterprise Resource Planning | 3 |
| AFMG4823 | Taxation Laws and Practices | 3 |
| AFAU4283 | Advanced Audit & Assurance | 3 |
| AFTX4853 | Filing Tax Return | 3 |

e) Project (06 Cr. Hrs.)

After the completion of 90 Cr. Hrs., the students are required to demonstrate their skills in the field of Accounting, Audit and Taxation by designing and implementing a project worth 6 Cr. Hrs. The project shall be completed in two parts as given below:

| Course Code | Course Title | Cr. Hrs. |
|-------------|--------------|----------|
| AF4912 | Project I | 3 |
| AF4914 | Project II | 3 |

f) Internship (00 Cr. Hrs.)

The students are required to go for internship in semester seven and eight to have comprehensive work experience.

g) Internship (00 Cr. Hrs.)

Each student is required to complete 65 hours of community work, usually after 4th semester which would be a prerequisite for the award of degree.

h) Program Duration

This is a four-year degree program comprising 8 semesters. There is a Fall and a Spring semester each year. The Summer semester is utilized for Internships or deficiency courses. The maximum duration to complete the BS Accounting & Finance program is 7 years.



SCHEME OF STUDIES

BS Audit and Taxation

Semester I (15 Cr. Hrs.)

| Course Code | Course Title | Category | Cr. Hrs. |
|-------------|-------------------------------------|------------|----------|
| ENG101 | English-I | Compulsory | 3 |
| AFMG1803 | Principles of Management | Foundation | 3 |
| PAK101 | Pakistan Studies | Compulsory | 2 |
| ENT101 | Fundamentals of Entrepreneurship | Compulsory | 1 |
| AFMT1003 | Quantitative Methods | Compulsory | 3 |
| AFIT1403 | Fundamentals of Information Systems | Compulsory | 3 |

Semester II (15 Cr. Hrs.)

| Course Code | Course Title | Category | Cr. Hrs. |
|-------------|---------------------------|------------|----------|
| AF1203 | Financial Accounting | Foundation | 3 |
| ENG102 | English-II | Compulsory | 3 |
| AFMK1103 | Principles of Marketing | Foundation | 3 |
| AFHR1303 | Human Resource Management | Foundation | 3 |
| FNL101 | Foreign Language | Compulsory | 3 |

Semester III (15 Cr. Hrs.)

| Course Code | Course Title | Category | Cr. Hrs. |
|-------------|------------------------------|------------|----------|
| AF2213 | Cost & Management Accounting | Foundation | 3 |
| AFLW2003 | Business Law | Foundation | 3 |
| AFEC2703 | Principles of Economics | Compulsory | 3 |
| AFMG2833 | Financial Management | Core | 3 |
| AF2233 | Financial Reporting | Core | 3 |

Semester IV (17 Cr. Hrs.)

| Course Code | Course Title | Category | Cr. Hrs. |
|-------------|------------------------|------------|----------|
| AFMG2823 | Performance Management | Core | 3 |
| AFLW2023 | Corporate Law | Core | 3 |
| AF2243 | Investment Appraisal | Core | 3 |
| SCO201 | Sociology | Compulsory | 3 |
| ISL201 | Islamic Studies | Compulsory | 2 |
| ENG203 | English-III | Compulsory | 3 |

Semester V (15 Cr. Hrs.)

| Course Code | Course Title | Category | Cr. Hrs. |
|-------------|------------------------------|------------|----------|
| AFMT3013 | Business Statistics | Compulsory | 3 |
| AFHR3313 | Corporate Reporting | Core | 3 |
| AFTX3413 | Principles of Income Tax | Foundation | 3 |
| AFTX3423 | Principles of Sales Tax | Foundation | 3 |
| AFAU3243 | Financial Information System | Foundation | 3 |

Semester VI (16 Cr. Hrs.)

| Course Code | Course Title | Category | Cr. Hrs. |
|-------------|----------------------------|----------------|----------|
| AFLW3013 | Banking Laws and Practices | Foundation | 3 |
| AF3263 | Financial Analysis | Specialization | 3 |
| AFTX3433 | Tax Regimes | Specialization | 3 |
| AF3223 | Computerized Accounting | Specialization | 3 |
| AFAU3253 | Audit and Assurance | Core | 3 |
| CLB301 | Career Lab | Compulsory | 1 |

Semester VII (15 Cr. Hrs.)

| Course Code | Course Title | Category | Cr. Hrs. |
|-------------|------------------------------|----------------|----------|
| AFTX4443 | Taxation Management | Core | 3 |
| AFHU4043 | Research Methods in Business | Foundation | 3 |
| AFAU4523 | Internal Auditing | Specialization | 3 |
| AFTX4453 | Federal Excise Duty | Specialization | 3 |
| AF4912 | Project I | Project | 3 |
| INT4010 | Internship | Internship | 0 |

Semester VIII (18 Cr. Hrs.)

| Course Code | Course Title | Category | Cr. Hrs. |
|-------------|------------------------------|----------------|----------|
| AFAC4603 | Enterprise Resource Planning | Specialization | 3 |
| AFMG4613 | Entrepreneurship | Core | 3 |
| AFTX4823 | Taxation Laws and Practices | Specialization | 3 |
| AFAU4283 | Advanced Audit & Assurance | Specialization | 3 |
| AFTX4853 | Filing Tax Returns | Specialization | 3 |
| AF4914 | Project II | Project | 3 |
| INT4020 | Internship | Internship | 0 |

5. BS Business Analytics

Eligibility Criteria:

Business Analytics has emerged as a new discipline where the use of statistics and technology is applied to historic data to get new dimensions and make correct decisions that add value to the organization's proficiency. In today's contemporary world organizations are generating huge data. Such data also demands professionals who can analyze and correctly interpret it for cost efficiency and strategic drive. With the help of proper data analytics, organizations can achieve greater revenues, more informed decisions, and improved operational efficiency.

Therefore, it is a need for time to develop professionals who can fulfil future needs and become part of the future workforce. The BS Business Analytics will pave a path for graduates to work for different industries at different positions such as business analysts, operations analysts, people analysts, financial analysts, and market or consumer analysts.

The course may be divided into three main areas as under:

- a) Descriptive: Using data to identify the trends and patterns
- b) Predictive: Using data for the forecasting purpose
- c) Prescriptive: By using the data to find the best course of action in a given scenario.

5.1 Career Planning

Considering the changes taking place in the world and as technology is overtaking, various jobs and expertise are becoming redundant. In this scenario, it is imperative to look for the demands of the future world. The demand for big data and analytics is already mounting. Skilled and competent professionals in this area will be highly demanded in times to come. This degree will develop the students in sub-areas, such as business analytics, operations management, financial analytics, and others.

5.2 Degree Requirements

The following will be the requirement of the degree of BS-Business Analytics (The title of the degree may be altered after discussions and as per the market demand):

126 Credit Hours
Project 6-Credit Hours
CGPA of at least 2.00

5.3 Admission Requirements

Higher Secondary School Certificate or Equivalent securing at least 45% marks in aggregate

All applicants are required to pass UCP Admission Test

SCHEME OF STUDIES

BS Business Analytics

Semester I (15 Cr. Hrs.)

| Course Code | Course Title | Category | Cr. Hrs. |
|-------------|----------------------------------|------------|----------|
| MAT101 | Mathematics-1 | Common | 3 |
| BAIT1003 | Introduction to IT | Foundation | 3 |
| BAHU1023 | Business and Ethics | Foundation | 3 |
| PAK101 | Pakistan Studies | Common | 2 |
| ENG101 | English-1 | Common | 3 |
| ENT101 | Fundamentals of Entrepreneurship | Common | 1 |

Semester II (15 Cr. Hrs.)

| Course Code | Course Title | Category | Cr. Hrs. |
|-------------|---|------------|----------|
| AFEC2703 | Principles of Economics | Foundation | 3 |
| MAT102 | Mathematics - 2 | Common | 3 |
| STS101 | Statistics - 1 | Common | 3 |
| ENG102 | English - 2 | Common | 3 |
| BAMG2803 | Fundamentals of Management & Organization | Core | 3 |

Semester III (17 Cr. Hrs.)

| Course Code | Course Title | Category | Cr. Hrs. |
|-------------|--------------------------------------|----------|----------|
| ISL201 | Islamic Studies | Common | 2 |
| ENG203 | English - 3 | Common | 3 |
| BAAC1203 | Introduction to Financial Accounting | Core | 3 |
| BAIT2013 | Information Systems and Modern World | Core | 3 |
| CSDB3363 | Data Analysis Techniques | Core | 3 |
| SCO201 | Sociology | Common | 3 |

Semester IV (15 Cr. Hrs.)

| Course Code | Course Title | Category | Cr. Hrs. |
|-------------|------------------------------------|------------|----------|
| BAMG3813 | Financial Management | Core | 3 |
| PSY101 | Introduction to Psychology | Core | 3 |
| DSCP1023 | Programming Fundamentals | Foundation | 3 |
| BARE2013 | Fundamentals of Business Analytics | Core | 3 |
| BAMK2103 | Fundamentals of Marketing | Core | 3 |

Semester V (15 Cr. Hrs.)

| Course Code | Course Title | Category | Cr. Hrs. |
|-------------|---------------------------------------|----------|----------|
| BAHR3303 | Human Resource Management | Core | 3 |
| FNL101 | Foreign Language | Common | 3 |
| BAMG2823 | Fundamentals of Operations Management | Core | 3 |
| BAHU3xx3 | Business Database Strategy | Core | 3 |
| BAFF4223 | Financial Modeling | Core | 3 |

Semester VI (16 Cr. Hrs.)

| Course Code | Course Title | Category | Cr. Hrs. |
|-------------|-------------------------------------|----------|----------|
| BAMG3323 | Human Behavior | Core | 3 |
| DSAL3533 | Artificial Intelligence | Core | 3 |
| AFMG4613 | Entrepreneurship | Core | 3 |
| BAHU3033 | Research Methods in Social Sciences | Core | 3 |
| CLB301 | Career Lab | Common | 1 |
| | Elective - 1 | Elective | 3 |

Semester VII (15 Cr. Hrs.)

| Course Code | Course Title | Category | Cr. Hrs. |
|-------------|---|----------|----------|
| BACS4443 | Machine Learning and Business Analytics | Core | 3 |
| BAMG4853 | Business Performance Management | Core | 3 |
| AFMG4603 | Enterprise Resource Planning | Core | 3 |
| | Elective - 2 | Elective | 3 |
| | Elective - 3 | Elective | 3 |

Semester VIII (12 Cr. Hrs.)

| Course Code | Course Title | Category | Cr. Hrs. |
|-------------|---|----------|----------|
| BAMG4863 | Change Management | Core | 3 |
| BAMG4623 | Business Model Development and Innovation | Core | 3 |
| | Elective – 4 | Elective | 3 |
| | Elective – 5 | Elective | 3 |



List of Elective Courses

| Serial No. | Course Title | Cr. Hrs. |
|------------|---|----------|
| 1 | Data Warehousing and Mining | 3 |
| 2 | Big Data Analytics | 3 |
| 3 | Programming for Big Data Analytics | 3 |
| 4 | Information Retrieval | 3 |
| 5 | Exploratory Data Analysis & Visualization | 3 |
| 6 | Tools and Techniques for Data Sciences | 3 |
| 7 | Customer Analytics | 3 |
| 8 | Marketing Analytics | 3 |
| 9 | Supply Chain Analytics | 3 |
| 10 | Financial Analytics | 3 |
| 11 | Web Analytics | 3 |
| 12 | Social Media Analytics | 3 |
| 13 | Healthcare Analytics | 3 |



6. Masters in Business Administration (MBA)

6.1 Admission Requirements

- I) A minimum of 16 years of business education for MBA Business stream
- ii) A minimum of 16 years of non-business education for MBA Non-Business stream
- iii) Minimum 2.00 CGPA on the scale of 4.00 or 50% marks in the annual system
- IV) All applicants are required to pass UCP Admission Test

6.2 Degree Requirements

A student admitted to this Program will have to complete the degree requirements by following any one of the options given below:

- 30 Cr. Hrs. Programme for Business Graduates (1.5 years)
- 66 Cr. Hrs. Programme for Non-Business Graduates (2 years)

SCHEME OF STUDIES

Master of Business Administration
(Non-Business Stream 2 years)

Semester I (18 Cr. Hrs.)

| Course Code | Course Title | Category | Cr. Hrs. |
|-------------|---|------------|----------|
| BAAC1203 | Introduction to Financial Accounting | Deficiency | 3 |
| BAMK2103 | Fundamentals of Marketing | Deficiency | 3 |
| BAAF2243 | Business Statistics | Deficiency | 3 |
| BAAC2233 | Business Finance | Deficiency | 2 |
| AFEC2703 | Business Economics | Deficiency | 3 |
| BAMG2803 | Fundamentals of Management & Organization | Deficiency | 1 |

Semester II (18 Cr. Hrs.)

| Course Code | Course Title | Category | Cr. Hrs. |
|-------------|---------------------------------------|------------|----------|
| BAAF2253 | Quantitative Analysis | Deficiency | 3 |
| BAMG5703 | Managerial Economics | Deficiency | 3 |
| BAMK4123 | Marketing Research Design & Analysis | Deficiency | 3 |
| BAMG3813 | Financial Management | Deficiency | 3 |
| BAAC2213 | Managerial Accounting | Deficiency | 3 |
| BAMG2823 | Fundamentals of Operations Management | Deficiency | 3 |

Semester II (18 Cr. Hrs.)

| Course Code | Course Title | Category | Cr. Hrs. |
|-------------|---------------------------------------|------------|----------|
| BAAF2253 | Quantitative Analysis | Deficiency | 3 |
| BAMG5703 | Managerial Economics | Deficiency | 3 |
| BAMK4123 | Marketing Research Design & Analysis | Deficiency | 3 |
| BAMG3813 | Financial Management | Deficiency | 3 |
| BAAC2213 | Managerial Accounting | Deficiency | 3 |
| BAMG2823 | Fundamentals of Operations Management | Deficiency | 3 |

Semester III (15 Cr. Hrs.)

| Course Code | Course Title | Category | Cr. Hrs. |
|-------------|----------------------------|----------|----------|
| BAMK7173 | Data Analytics | Elective | 3 |
| BAMG7873 | Business Policy & Strategy | Elective | 3 |
| | Elective-I | Elective | 3 |
| | Elective-II | Elective | 3 |
| BA7913 | Research Project | Project | 3 |

Semester IV (15 Cr. Hrs.)

| Course Code | Course Title | Category | Cr. Hrs. |
|-------------|---------------------------------------|----------|----------|
| BAMK7183 | Advanced Business Analytics | Elective | 3 |
| BAMG7803 | Leadership & Professional Development | Elective | 3 |
| | Elective - I | Elective | 3 |
| | Elective - II | Elective | 3 |
| BA7913 | Research Project | Project | 6 |

*Research project is not compulsory. You may opt two courses in lieu of Research Project.

SCHEME OF STUDIES

Master of Business Administration
(Business Stream 1.5 years)

Semester I (12 Cr. Hrs.)

| Course Code | Course Title | Category | Cr. Hrs. |
|-------------|---|----------|----------|
| BAMK7173 | Data Analytics | Core | 3 |
| BAMG6873 | Business Policy and Strategy | Core | 3 |
| BAMG7803 | Leadership & Professional Development | Core | 3 |
| BAAC7223 | Corporate Financial Strategy (Elective – I) | Elective | 3 |

Semester II (12 Cr. Hrs.)

| Course Code | Course Title | Category | Cr. Hrs. |
|-------------|-----------------------------|----------|----------|
| BAMK7183 | Advanced Business Analytics | Core | 3 |
| | Elective - II | Elective | 3 |
| | Elective – III | Elective | 3 |
| BA7913 | Research Project | Project | 3 |

Semester III (6 Cr. Hrs.)

| Course Code | Course Title | Category | Cr. Hrs. |
|-------------|------------------|----------|----------|
| | Elective – IV | Elective | 3 |
| BA7913 | Research Project | Project | 3 |

*Research project is not compulsory. You may opt two courses in lieu of Research Project.

Elective Courses

Marketing

| Course Code | Course Title | Cr. Hrs. |
|-------------|--------------------------------------|----------|
| BAMK7103 | Market Analysis for Small Business | 3 |
| BAMK7113 | Strategic Marketing | 3 |
| BAMK7123 | E-Marketing & Social Media | 3 |
| BAMK7143 | Global Marketing | 3 |
| BAMK7153 | Services Marketing Strategy | 3 |
| BAMK7163 | Advertisement and Promotion Strategy | 3 |
| BAMK7173 | Pricing Strategy | 3 |
| BAMK7183 | Marketing Models | 3 |
| BAMK7193 | Marketing Channel | 3 |
| BAMK7133 | Branding Strategy | 3 |
| BAMG7543 | New Product Development | 3 |

Finance

| Course Code | Course Title | Cr. Hrs. |
|-------------|---|----------|
| BAAC7203 | Corporate Finance | 3 |
| BAAC7213 | Financial Reporting and Analysis | 3 |
| BAAC7223 | Corporate Financial Strategy | 3 |
| BAAC7233 | Alternative Investment & Funds Management | 3 |
| BAAC7253 | Trading and Exchange | 3 |
| BAAC7263 | Fixed Income Analysis | 3 |
| BAMG7893 | Derivatives and Risk Management | 3 |
| BAMG7853 | Applied Portfolio Management | 3 |

Information and Operations Management (IOM)

| Course Code | Course Title | Cr. Hrs. |
|-------------|-------------------------------------|----------|
| BAMK7133 | Big Data Analytics | 3 |
| BAMK7173 | Data Analytics | 3 |
| BAMK7183 | Advanced Business Analytics | 3 |
| BAMG7113 | Business Intelligence | 3 |
| BAMG7883 | Management Information System | 3 |
| BAMG7863 | Enterprise System | 3 |
| BAMG7503 | Logistics Management | 3 |
| BAMG7513 | Supply Management | 3 |
| BAMG7523 | Managing Supply Chain | 3 |
| | | 3 |
| BAMG7873 | Production and Operation Management | 3 |

Entrepreneurship

| Course Code | Course Title | Cr. Hrs. |
|-------------|-----------------------------------|----------|
| BAMG7603 | Techno Entrepreneurship | 3 |
| BAMG7613 | Social Entrepreneurship | 3 |
| BAMG7623 | Legal Aspect of Entrepreneurship | 3 |
| BAMG7633 | Corporate Entrepreneurship | 3 |
| BAMG7683 | Entrepreneurship & New Venture-II | 3 |

Management

| Course Code | Course Title | Cr. Hrs. |
|-------------|--|----------|
| BAMG7813 | International Strategic Management | 3 |
| BAMG7823 | Innovation Strategy and Management | 3 |
| BAMG7833 | Managing Family Business | 3 |
| BAMG7843 | Power & Politics in Organization | 3 |
| BAMG7853 | Enterprise Risk Management | 3 |
| BAMG7893 | Business Process Management | 3 |
| BAMG7873 | Business Policy and Strategy | 3 |
| BAMG7803 | Leadership & Professional Development | 3 |
| BAHR7303 | Compensation, Incentives and Governance | 3 |
| BAHR7313 | Negotiation & Deal Making | 3 |
| BAHR7323 | Performance Management and Motivation | 3 |
| BAHR7333 | Leading Innovation and Change | 3 |
| BAHR7343 | Leading Effective Teams | 3 |
| BAHR7353 | Designing High Performance Organizations | 3 |
| BAHR7363 | Competitive Advantage Through People | 3 |
| BAHR7373 | Knowledge Management | 3 |
| BAHR7383 | System Dynamics | 3 |

6.3 CGPA Requirement

A student is required to earn a minimum of 2.50/4.00 CGPA on the completion of his/her degree requirements.

6.4 Program Duration

This is nominally a two-year degree Program comprising 4 semesters (Business Graduates can complete the Program in 1.5 years). There will be a Fall and a Spring semester each year.

7. Executive MBA

The UCP Executive MBA (UCP-EMBA) program has been specially designed to cater to the needs of mid-career to top-level managers, seasoned professionals, and entrepreneurs who want to equip themselves with cutting-edge business knowledge to face emerging challenges while remaining fully employed during the pursuit of their graduate studies.

UCP EMBA Program is a 60-credit hours' degree (54 credit hours for course work; and 2 projects of 3 credit hours each). The degree is completed in two years and classes are offered on weekdays and weekend.

Value Additions:

- * Experiential learning
- * Field trips
- * Case studies and simulation exercises
- * Industry leader's series
- * E-modules and certifications

7.1 Admission Requirements:

Minimum of 16 years of education in any subject/field i.e., engineering, business, medicine, social sciences, arts, and humanities, and others from an HEC-recognized university

A minimum of three (03) years of professional experience at the middle management level in business, government, the not-for-profit sector, or others.

Minimum 2.00/4.00 CGPA or 50% marks from an annual system

All applicants are required to pass UCP Admission Test and Interview

SCHEME OF STUDIES

Executive MBA

Semester I (12 Cr. Hrs.)

| Course Code | Course Title | Cr. Hrs. |
|-------------|--|----------|
| EMEL5023 | Business Communication | 3 |
| EMEC5713 | Economics for Managers | 3 |
| EMAC5213 | Financial Accounting | 3 |
| EMMG5853 | Organizational Behavior and Leadership | 3 |

Semester II (12 Cr. Hrs.)

| Course Title | Course Title | Cr. Hrs. |
|--------------|--|----------|
| EMMK5143 | Marketing Management | 3 |
| EMAC5243 | Corporate Finance | 3 |
| EMHR5333 | Strategic Human Resource Management | 3 |
| EMMG5533 | Operations and Supply Chain Management | 3 |

Semester III (6 Cr. Hrs.) (Summer)

| Course Title | Course Title | Cr. Hrs. |
|--------------|----------------------------------|----------|
| EMAC6253 | Corporate Governance and Law | 3 |
| EMMG6623 | Entrepreneurship and New Venture | 3 |

Semester IV (15 Cr. Hrs.)

| Course Title | Course Title | Cr. Hrs. |
|--------------|---------------------------------------|----------|
| EMIT6423 | Digital Innovation and Transformation | 3 |
| EMMG6873 | Business Analytics | 3 |
| | Elective 3 | 3 |
| | Elective 4 | 3 |
| EM6923 | Project 2 | 3 |

Elective Courses

Marketing

| Course Code | Course Title | Cr. Hrs. |
|-------------|----------------------------|----------|
| EMMK6153 | Strategic Brand Management | 3 |
| EMMK6163 | Digital Marketing | 3 |
| EMMK6173 | Sales and Retail | 3 |
| EMMK6183 | Product Design | 3 |
| EMMK6193 | Advertising and Promotion | 3 |

Operations and Supply Chain

| Course Code | Course Title | Cr. Hrs. |
|-------------|------------------------------------|----------|
| EMMG6543 | Strategic Sourcing | 3 |
| EMMG6553 | Supply Chain Strategy | 3 |
| EMMG6563 | Logistics and Distribution | 3 |
| EMMG6573 | Inventory and Warehouse Management | 3 |

Human Resource Management

| Course Code | Course Title | Cr. Hrs. |
|-------------|---|----------|
| EMHR6343 | Performance Management and Compensation | 3 |
| EMHR6353 | Designing High-Performance Organization | 3 |
| EMHR6363 | Negotiation and Conflict Management | 3 |
| EMHR6373 | Training and Development | 3 |
| EMHR6383 | Organizational Development | 3 |

Finance

| Course Code | Course Title | Cr. Hrs. |
|-------------|-------------------------------------|----------|
| EMAC6263 | Taxation Management | 3 |
| EMAC6273 | Financial Institution and Markets | 3 |
| EMAC6283 | Portfolio Management | 3 |
| EMAC6293 | Financial Modelling and Forecasting | 3 |
| EMAC62103 | Islamic Finance | 3 |

8. MS Business Administration

8.1 Admission Requirements:

- i) Sixteen years of schooling or 4 years of education after HSSC/FA/F.Sc./A levels/ Grade 12 or equivalent.
- ii) A minimum CGPA of 2.00 out of 4.00 in the semester system or 50% marks in the annual system in bachelor, masters or equivalent degree in a relevant discipline including Business, Management and Commerce is required.
- iii) Admission test and interview will be conducted.

8.2 Degree Requirements:

- i) A student admitted to this program will have to complete the degree requirements as follows:

| Item | Cr. Hrs. |
|-------------------------------------|-----------|
| Three Core Courses (Graduate Level) | 09 |
| Five Graduate Courses | 15 |
| Research Thesis | 06 |
| Total | 30 |

- ii) A student is required to earn a minimum of 2.50/4.00 CGPA on the completion of the degree.

8.3 Program Duration:

- i) Minimum duration 1.5 years (three semesters) and
- ii) Maximum 4 years (eight semesters) including semester breaks/semester freeze.

| Course Code | Course Title |
|-------------|---------------------------------|
| BAMG7013 | Academic Writing |
| BAMG7003 | Quantitative Research Methods |
| BAMG7013 | Qualitative Research Approaches |
| BA7916 | Research Thesis |

List of Elective Courses

| Sr. No. | Course Title | Course Code |
|---------|---|-------------|
| 1. | Market Analysis for Small Business | BAMK7103 |
| 2. | Strategic Marketing | BAMK7113 |
| 3. | E-Marketing & Social Media | BAMK7123 |
| 4. | Big Data Analytics | BAMK7133 |
| 5. | Techno Entrepreneurship | BAMG7603 |
| 6. | Corporate Entrepreneurship | BAMG7633 |
| 7. | Entrepreneurship & New Venture-II | BAMG7683 |
| 8. | Enterprise Risk Management | BAMG7853 |
| 9. | Production and Operation Management | BAMG7873 |
| 10. | Organizational Theory and Design | BAMG7813 |
| 11. | Product Pricing Decisions: Concepts and Application | BAAC7223 |
| 12. | Human Resource Management: Strategy & Practice | BAHR7303 |
| 13. | Global Marketing | BAMK7143 |
| 14. | Advertisement and Promotion Strategy | BAMK7163 |
| 15. | Negotiation & Deal Making | BAHR7313 |
| 16. | Performance Management and Motivation | BAHR7323 |
| 17. | Leading Innovation and Change | BAHR7333 |
| 18. | Leading Effective Teams | BAHR7343 |
| 19. | Designing High Performance | BAHR7353 |
| 20. | Knowledge Management: Strategy & Practice | BAHR7373 |
| 21. | System Dynamics | BAHR7383 |
| 22. | Supply Management | BAMG7513 |
| 23. | Supply Chain Strategies | BAMG7533 |
| 24. | New Product Development | BAMG7543 |
| 25. | Applied Corporate Brand Management | BAMK7113 |
| 26. | Options and Derivatives | BAAC7223 |
| 27. | Human Behavior in Organizations | BAHR7393 |
| 28. | Designing and Managing Supply Chains | BAMG7523 |
| 29. | Enterprise Information Systems | BAMG7533 |
| 30. | Business Process Strategy Management | BAMG7543 |
| 31. | Logistic Strategy and Logistic Systems | BAMG7553 |
| 32. | Any other course with the approval of bodies. | |

9. PhD in Business Administration

PhD in Business Administration is designed to create an insight into modern management practices and provides an opportunity to develop the skills required for pursuing teaching & research careers and managing organizations. The culture at UCP is based on productivity, cooperative competition, open teacher-student dialogue, and mutual caring and respect. Our philosophy is that postgraduate students need the understanding and skills associated with high-quality academic research. This approach applies equally to those who become either academic scholars or professional practitioners. In the knowledge-based economy, the quality of sensing, thinking, and responding will give you a personal edge. PhD Program will help you learn how to map, manage, measure, and market your explicit and tacit knowledge. We nurture our graduates by empowering them to realize their true research potential for their roles as academicians and practitioners to make a meaningful contribution to the progress of the community.

9.1 Admission Requirements:

- Minimum CGPA 3.00/ 4.00 (in the semester system) or 60% marks in an annual system in MS/M.Phil. or equivalent in a relevant discipline
- All applicants are required to pass UCP Admission Test and interview
- Students who have already published or presented their research papers at the national or international level will be given a preference

9.2 Degree Requirements:

- A student admitted in this Program will have to complete the degree requirements by as follows:

| Item | Cr. Hrs. |
|----------------------|-----------|
| Six Graduate Courses | 18 |
| Research Thesis | 30 |
| Total | 48 |

- A student is required to earn a minimum of 3.00/4.00 CGPA on the completion of the degree.

9.3 Program Duration

- Minimum duration 3 years (six semester) and
- Maximum 8 years (16 semesters) including semester breaks / semester freeze.

List of Gratuante Courses

| Sr. No. | Course Title | Course Code |
|---------|---|-------------|
| 1. | Advanced Quantitative Methods in Research | BAMG7013 |
| 2. | Advanced Qualitative Methods in Research | BAMG7023 |
| 3. | Contemporary Methods of Data Analysis | BAMG7213 |
| 4. | Philosophy of Management | BAMG7713 |
| 5. | Seminar in Management | BAMG7813 |
| 6. | Advanced Theories in Business and Management | BAMG7613 |
| 7. | Seminar in Sustainable Development | BAMG7833 |
| 8. | Knowledge Management: Strategy & Practice | BAHR7373 |
| 9. | Global Marketing | BAMK7143 |
| 10. | Applied Corporate Brand Management | BAMK7113 |
| 11. | Any other course with the approval of bodies. | |



10. MS Accounting and Finance

10.1 Admission Requirements:

- i) Sixteen years of schooling or 4 years of education after HSSC/FA/F.Sc./A levels/ Grade 12 or equivalent
- ii) A minimum CGPA 2.00 out of 4.00 in the semester system or 50% marks in annual system in a bachelors, masters or equivalent degree in a relevant discipline including Business, Management, and Commerce
- iii) All applicants are required to pass UCP Admission test and interview

10.2 M.Phil. Accounting & Finance

The financial world constantly changes, markets evolve, and the regulatory environment continually changes as new instruments for accounting and finance are created. In this ever-evolving scenario, accounting and finance professionals need to be adaptable, precise, and analytical to keep their career track in good order.

Masters of Philosophy in Accounting and Finance (M.Phil. A&F) makes up to 18 years of study, which provides a unique and comprehensive blend of key areas of accounting and finance. The courses offered are in line with the Higher Education Commission (HEC) requirements. This program covers specialized topics like financial reporting, taxation, corporate finance, investments, financial management, and business strategy. Graduates of this program may proceed to a PhD degree in Pakistan or abroad.

M.Phil. Accounting & Finance combines an array of strengths from industry and academia; to give comprehensive expertise in financial strategies for maximizing returns and minimizing risks, investment analysis, accounting management and strategies. This program is highly appropriate for students who are interested in **joining careers in business, services**, and academic research in the domain of accounting or finance. It also nurtures research skills to get a good grasp of specialized topics of accounting and finance. Qualified and experienced faculty members teach the courses of this program, and it provides students with opportunities to publish their research in scholarly journals.

The program is equally beneficial for in-service people (academia, as well as the **corporate sector**) looking for advancement in their careers and knowledge. At UCP, you will have access to a number of opportunities to help in industrial placements. UCP holds various MoUs with industrial players that enable its students to learn current trends in practice and help in job placements in the future.

Followings are the distinguished features of UCP M.Phil. Accounting and Finance program:

- Research-based teaching methodology
- **Data analysis workshops**
 - o **Secondary Data (SPSS, E-Views, STATA)**
 - o **Primary data (SMART PLS)**
- ERP training (Odoo, MAB ERP)
- Guest speaker sessions from professional accounting bodies; Researchers and Industry
- Industrial visits
- Strong industrial and academic liaisons for student learning and career placements
- Highly qualified faculty from Pakistan and abroad

10.3 Admission Requirements:

- i) Sixteen years of schooling or 4 years of education after HSSC/FA/F.Sc./A levels/ Grade 12 or equivalent
- ii) A minimum CGPA 2.00 out of 4.00 in the semester system or 50% marks in annual system in bachelor, masters or equivalent degree in a relevant discipline including Business, Management and Commerce
- iii) All applicants are required to pass UCP Admission Test and interview

10.4 Admission Requirements:

A student admitted to this Program will have to complete the degree requirements as follows:

| Item | Cr. Hrs. |
|--------------------------------------|-----------|
| Three Core Courses* (Graduate Level) | 9 |
| Five Graduate Courses | 15 |
| Research Thesis | 6 |
| Total | 30 |

- iii. A student is required to earn a minimum of 2.50/4.00 CGPA on the completion of the degree.

10.5 Program Duration:

- iii. Minimum duration 1.5 years (three semesters) and
- iv. Maximum 4 years (eight semesters) including semester break / semester freeze.

List of Graduate Courses

| Sr. No. | Course Title | Course Code |
|---------|---|-------------|
| 33. | Academic Writing* | |
| 34. | Quantitative Research Methods * | |
| 35. | Qualitative Research Approaches* | |
| 36. | Market Analysis for Small Business | BAMK5103 |
| 37. | Strategic Marketing | BAMK5113 |
| 38. | E-Marketing & Social Media | BAMK5123 |
| 39. | Big Data Analytics | BAMK5133 |
| 40. | Techno Entrepreneurship | BAMG5603 |
| 41. | Corporate Entrepreneurship | BAMG5633 |
| 42. | Entrepreneurship & New Venture-II | BAMG5683 |
| 43. | Enterprise Risk Management | BAMG5853 |
| 44. | Production and Operation Management | BAMG5873 |
| 45. | Organizational Theory and Design | BAMG5813 |
| 46. | Advanced Topics in International Finance | BAAC5203 |
| 47. | Product Pricing Decisions: Concepts and Application | BAAC5223 |
| 48. | Applied Portfolio Management | BAAC5233 |
| 49. | Human Resource Management: Strategy & Practice | BAHR5303 |
| 50. | Global Marketing | BAMK6143 |
| 51. | Advertisement and Promotion Strategy | BAMK6163 |
| 52. | Business Intelligence | BAMG6113 |
| 53. | Corporate Finance | BAAC6203 |
| 54. | Financial Reporting and Analysis | BAAC6213 |
| 55. | Corporate Financial Strategy | BAAC6223 |
| 56. | Alternative Investment & Funds .Management | BAAC6233 |
| 57. | Trading and Exchange | BAAC6253 |
| 58. | Negotiation & Deal Making | BAHR6313 |
| 59. | Performance Management and Motivation | BAHR6323 |
| 60. | Leading Innovation and Change | BAHR6333 |
| 61. | Leading Effective Teams | BAHR6343 |
| 62. | Designing High Performance | BAHR6353 |
| 63. | Knowledge Management: Strategy & Practice | BAHR6373 |
| 64. | System Dynamics | BAHR6383 |
| 65. | Supply Management | BAMG6513 |
| 66. | Supply Chain Strategies | BAMG6533 |
| 67. | New Product Development | BAMG6543 |
| 68. | Applied Portfolio Management | BAMG6853 |

| Sr. No. | Course Title | Course Code |
|---------|---|-------------|
| 69. | Multivariate Data Analysis | BAAC6203 |
| 70. | Applied Corporate Brand Management | BAMK6113 |
| 71. | Asset Pricing Theory | BAAC6213 |
| 72. | Options and Derivatives | BAAC6223 |
| 73. | Financial Risk Management | BAAC6243 |
| 74. | Human Behavior in Organizations | BAHR6393 |
| 75. | Distribution Strategy and Supply Chain Management | BAMG6503 |
| 76. | Designing and Managing Supply Chains | BAMG6523 |
| 77. | Enterprise Information Systems | BAMG6533 |
| 78. | Business Process Strategy Management | BAMG6543 |
| 79. | Logistic Strategy and Logistic Systems | BAMG6553 |
| 80. | Any other course with the approval of bodies. | |

11. 11. PhD Accounting and Finance

Accounting and finance play an important role in the management of any business and finance industry. Our PhD Program provides rigorous academic and research training aimed at preparing scholars to pursue their careers in the finance sector and will be able to lead in public and private spheres. Our research Program will also provide an opportunity to perform research in the areas of Accounting, Finance, Audit, Taxation, Banking, and other related fields. Supervised research will also implant skills in financial accounting, public accounting, environment accounting, tax accounting, and expertise in financial econometrics, financial forecasting, and financial engineering.

11.1 Admission Requirements:

- Minimum CGPA 3.00/ 4.00 (in the semester system) or 60% marks in an annual system in MS/M.Phil. or equivalent in a relevant discipline
- All applicants are required to pass UCP Admission Test and interview
- Students who have already published or presented their research papers at national or international level will be given preference

11.2 Degree Requirements:

- A student admitted in this Program will have to complete the degree requirements by as follows:

| Item | Cr. Hrs. |
|----------------------|----------|
| Six Graduate Courses | 18 |
| Research Thesis | 30 |
| Total | 48 |

- A student is required to earn a minimum of 3.00/4.00 CGPA on the completion of the degree.

11.3 Program Duration

- Minimum duration 3 years (six semesters) and
- Maximum 8 years (16 semesters) including semester breaks / semester freeze.

List of Gratuante Courses

| Sr. No. | Course Title | Course Code |
|---------|--|-------------|
| 81. | Course Title | |
| 82. | Seminar in Accounting and Finance | |
| 83. | Advanced Quantitative Methods in Research | |
| 84. | Advanced Financial Econometrics | |
| 85. | Financial Modeling | |
| 86. | Finance and Technology (FinTech) | |
| 87. | Islamic Finance: Theory, Practice and Current Issues | |
| 88. | Seminars in Portfolio Management and Alternative Investments | |
| 89. | Advanced Corporate Finance | |
| 90. | Sustainable Finance Laws and Compliance | |
| 91. | International Financial System | |
| 92. | Any other course with the approval of bodies. | |

