



THE
UNIVERSITY OF
LAHORE

Vision

To be a prestigious, internationally recognized university offering innovative and high quality education with a focus on research excellence, ethics, diversity and equality for all: cultural advancement, positive partnerships and collaboration in order to produce world-class leaders in the fields of Science, Technology and the Arts, while emphasizing strong moral and ethical values thus creating professionals imbued with the resources and moral fiber to meet the challenges of tomorrow.





M A Raouf
Chairman Board of Governors

The University of Lahore was established in 1999 with a vision to build a world class prestigious institution offering innovative and high quality education, unique learning environment, state of the art facilities and infrastructure. The University was granted degree awarding status by Government of the Punjab in 2002. Since its inception as Chartered University, dedicated efforts of the Board of Governors, Ibadat Educational Trust, teaching faculty and University management brought it to the level of an internationally recognized university in Pakistan. The University of Lahore has been ranked among the top 550-600 universities of the world and 171-180 in Asian University (QS & Times Higher Education Supplement). Moreover Regulatory Bodies of the Government of Pakistan that is Medical and Dental Council, Pakistan Engineering Council, Pakistan Nursing Council and Pharmacy Council of Pakistan have accredited its professional programs.

I firmly believe that the role of universities in the twenty-first century in Pakistan must respond to phenomenal changes unleashed by rapid advancement in Science and technology for the economic development of the country as well as the challenge posed by globalization. We are already visualizing about the future of higher education in the next millennium and making efforts for this purpose. I am confident that our University will acquire this prime objective with professional competence, commitment and dedication of management and highly qualified teaching faculty.

The University of Lahore is playing a significant role in the lives of thousands of young students and graduates of Medicine, Dentistry, Engineering, Allied Health Science, Molecular Biology, Biotechnology, Bio-chemistry, Environmental Science, Business Studies, Information Technology, Computer Sciences, Art and Social Sciences.

I am glad that Researchers and scholars of the University are working as a team for contributing towards building up a positive social capital for the benefit of our civil society. We do this by creating best ideas and practices for dissemination amongst students in classrooms and laboratories.



Prof. Dr. M. H. Qazi
Vice Chancellor

In this period of intense scientific activity it has become mandatory that Institutions of Higher Education establish centers for delivery of curricula and for undertaking advanced research. The University of Lahore taking cognizance of this imperative has set up facilities for teaching and research under the umbrella of Institute of Molecular Biology and Biotechnology. The Institute covers such diverse fields as Biochemistry, Microbiology, Molecular Biology, Biotechnology and Environmental Science. It is providing trained manpower who could contribute to the economic development of the country. The research portfolio of the Institute attracts a large number of students for MPhil and PhD studies. I am certain that with the passage of time this Institute, established by a private sector University in the year 2002 will rise to such levels of excellence which could be easily measured on the touchstone of international standards. It is my desire that high quality faculty of the Institute should contribute extensively to advancement of research and development. The management of this University is keen and prepared to make substantial expenditure on research activities of our staff members through a fund set aside for this purpose. The Institute is collaborating with several national and international institutions for improvement of quality of research.

I am glad that our teachers are using both semiotic and interactive methods for transmission of knowledge. It is my hope that our faculty will consistently improve the teaching learning process for the benefit of students. The establishment of Centre for Research in Molecular Medicine as an adjunct of Institute of Molecular Biology and Biotechnology is meant to provide research facilities to our MPhil/PhD students and faculty. I am sure that our faculty will work hard to emulate the mission and objectives of this Institute.



Brig. (R) Muhammad Ajaib
President

The roots of the University of Lahore can be traced back to 1999, when its first Campus was established at Islamabad with a vision to build a university. This vision was fulfilled in 2002, when the charter was granted to the University.

In pursuit of excellence, the University developed its original core values at Islamabad Campus. Led by its experienced and competent faculty and supported by latest infrastructure and dedicated staff, at purpose built Islamabad Campus the higher education is imparted in management, pharmacy, engineering, information technology and computer sciences in a conducive and professional environment. The University is fully committed to further expand this Campus both in its size and educational activities.

At our newly built Campus, which is located in the scenic surroundings of Islamabad, students are provided congenial and professionally conducive environment to pursue their educational goals. Students are guided and helped by experienced and dedicated faculty. At the Campus, recreational and sporting facilities are provided to encourage students to organize and engage in extracurricular activities while maintaining a strong focus on learning and research.

I extend my warmest welcome to all students and members of the faculty who join us at Islamabad Campus.



Prof. Dr. Saleem Shuja
Rector

The University of Lahore is widely recognized as a premier university at national and international level imparting quality education with diverse disciplines ranging from Medicine, Dentistry, Allied Health Sciences and Engineering to the Arts and Social Sciences. The high quality education with a focus on research excellence, state of the art infrastructure and facilities at the University has originated international recognition to the University. I commend the vision of the Trustees of Ibadat Educational Trust which founded the University of Lahore in 1999 and gained its charter from the Government of Punjab in 2002. The University of Lahore has been recognized as 'W' Category University by the Higher Educational Commission (HEC) Pakistan within a short period of five years.

Technical and professional education is the instrument of growth & development of any country's economy, The University of Lahore has, therefore, special focus on such disciplines. Medical and Dentistry, Public Health, Electrical Engineering, Civil Engineering, Mechanical Engineering, Pharm-D and Nursing Programmes equipped with modern laboratories have been duly accredited by Pakistan Medical and Dental Council (PMDC), Pakistan Engineering Council (PEC), Pharmacy Council of Pakistan and Nursing Council respectively. The programmes of Allied Health Sciences, Molecular Biology and Biotechnology, Biochemistry, IT & Computer Sciences and Management Sciences (grown as Lahore Business School-LBS) have also earned their name at national level.

On behalf of the University of Lahore I welcome all future students to visit and be part of the fastest growing multidiscipline chartered University in the private sector of Pakistan.

With best wishes for your bright future.

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THE UNIVERSITY OF LAHORE

Founded in 1999 by Mr. M A Raof, under the auspices of the Ibadat Educational Trust, the University of Lahore has created its name in the field of higher education and is regarded as one of the premier private sector general University in Pakistan with diverse disciplines ranging from Medicine & dentistry and Engineering to the Arts and Social Sciences. Our strong emphasis on balanced progress and focus on human capital has allowed us to grow to a student body of 15000 across four 'purpose built' campuses at Lahore and Islamabad with seven diverse faculties. The quality of teaching facility and research excellence has also granted international recognition placing the University amongst the top 550-600 Universities of the world (QS & Times Higher Education Supplement). The Higher education commission has also elevated the University of Lahore to its highest "W" category of Universities reserved for those institutions that fulfill all criterions of an international quality University.

Strong linkages with the industry are of paramount importance for any Higher education institution and The University of Lahore enjoys excellent links with international Universities. We also have a range of knowledge sharing and human resource development programs with major multinationals of Pakistan. Students at the University can expect excellent internship and skill development programs during the course of their education and upon completion of our new student center; students will be able to take full advantage of job placement, career counseling and support services.

The University of Lahore has also invested in a number of Technology park projects such as the Media Technology Park: The Creative Village, a premier facility for professional media content, an Agri Technology park and a Bio Technology park which are central to the growth of a progressive development of our students and the country's economy as a whole. The University of Lahore also pays strong emphasis on research as evident by the research grants available to various departments within the University and its investments into dedicated research projects and facilities such as CRIMM (Center for Research in Molecular Medicine) specializing in Cancer research.

Here at the University of Lahore, we recognize that the years spent in higher education are some of the most formative of an individual's life and must be enriched by activities and experiences inside and outside the classroom. The University emphasizes healthy sports and co-curricular activities. With a vibrant culture of student societies and participation through debates and dramatics, the University fosters the growth of leadership and social skills. The students are also imbued with a sense of community service through the University's extensive disaster relief Program: UOL Relief programme where students voluntarily participate in providing aid and facilitation to disaster affected areas of Pakistan.

This prospectus is meant to give you an understanding of what to expect when you take a program of study at The University of Lahore

Fact FILE

- University of Lahore chartered in 2002
- Established under the auspices of Ibadat Education Trust

Programs Approved by

- Higher Education Commission of Pakistan (HEC)
- Pakistan Medical and Dental Council (PM&DC)
- Pakistan Engineering Council (PEC)
- Pharmacy Council of Pakistan
- Pakistan Nursing Council

Total covered area of Lahore Campuses: 100 acres

Total covered area of Islamabad Campus: 80 Kanals

Student Body: 15,986
Faculty: 800
Staff & Support: 709
7 Faculties,
23 Departments
2 Research Centers
2 Technology Parks

International RANKINGS

The Higher Education Commission of Pakistan also places the University of Lahore in its highest, 'W' Category

World University Ranking 2011	600+
World Art & Humanities 2010	351-400
Asian University Ranking 2011	171-180
Asian University Ranking 2011 Arts and Humanities in Asia	144
Asian University Ranking 2011 Life Sciences and Biomedicine in Asia	153
Asian University Ranking 2011 Natural Sciences in Asia	164
Asian University Ranking 2011 Social Sciences in Asia	174
Asian University Ranking 2011 IT and engineering in Asia	190

The University **LIFE & ACTIVITIES**

Prospective students have a lot to look forward with their experience at the University of Lahore. Not only do we provide an exceptionally conducive and learning environment with spacious air-conditioned classrooms and lecture halls equipped with the latest multimedia, state of the art laboratories and IT facilities along with excellent library facilities but also pay special emphasis on the career and personal development of a student. In leisure time, students can take part in sports and co-curricular activities around the campus through various societies or just relax with friends at the student center. The University also encourages its students to participate in voluntary community service activities through 'UOL Relief'.

Key Academic **ACHIEVEMENTS**

The University has achieved substantially in the field of academics in the decade following its inception. We pride ourselves on the extensive scholarship program which ensures that deserving meritorious students are able to receive the same quality education as more privileged peers. The University also encourages its faculty to conduct original and extensive research and publish research papers. With over seventy full time PhD's and numerous foreign qualified faculty, the University deserves its position as one of the top 600 Universities of the world.



Co Curricular **ACTIVITIES**

The University of Lahore pays special emphasis on co-curricular and growth of students. The University currently has four official clubs:

The Debaters within the debates society have participated both locally and nationally and have won accolades in major inter University debating competitions such as the model United Nations.

Charisma film and theatre society has performed skits and short plays within the University which have included a mime presentation on the plights of the IDP's of Swat to performances raising awareness on issues of environmentalism.

Adventure club has arranged a number of camping and hiking expeditions to various parts of Pakistan.

Sports Club arranges sports activities both within campus and inter University sports competitions.

The University **SPORTS & ATHLETICS**

The University of Lahore has won numerous accolades in various sports activities with recent notable achievements:

- Winner National Fist Ball Championship 2011
- Winner National Rugby Championship 2011
- Runner-Up National Touch Ball Championship 2012
- Runner-Up Interdepartmental Touch Ball Championship 2011
- Winner CM Punjab Sports Festival (University Round) Volley Ball Championship 2012
- Winner in All Pakistan Intersarsity Rugby Championship '2011-12'
- Winner in All Pakistan Intersarsity rowing Championship '2011-12'
- Winner in All Pakistan Intersarsity Table Tennis Championship '2011-12'
- 2nd Position in All Pakistan Intersarsity Ski Championship '2011-12'
- 2nd Position in All Pakistan Intersarsity Bodybuilding championship '2011-12'
- 2nd Position in All Pakistan Intersarsity Basketball championship '2011-12'
- 2nd Position in All Pakistan Intersarsity Cycling Championship '2011-12'
- 3rd Position in All Pakistan Intersarsity Taekwondo championship '2011-12'
- 3rd Position in All Pakistan Intersarsity Football Championship '2011-12'
- 3rd Position in All Pakistan Intersarsity Mountaineering championship '2011-12'
- 3rd Position in All Pakistan Intersarsity Handball Championship '2011-12'
- 3rd Position in All Pakistan Intersarsity Baseball Championship '2011-12'



The University CAMPUSES

LAHORE CAMPUS

The University's Defence Road Campus is built near the prime defence road area just off Raiwind Road and consists of a purpose built facility spanning 100 acres which houses the University College of Medicine & Dentistry, Pharmacy department, Lahore Business School, Institute of Molecular Biology and Biotechnology, Bio-chemistry, Environmental Science, Faculty of Allied Health Sciences, Nursing School and School of Creative Arts. The facility features a lush park with fountains and flower gardens and an inner courtyard, which provides ample space for students to rest and recuperate. Additional facilities include a four floor student center, a purpose built library, on premises hostels with concierge and laundry and spacious auditoriums. The premise also encompasses two technology parks, the Agri technology park and the biotechnology (CRIMM) is also based here. The Development of a mosque and a comprehensive sports complex are currently underway.

The Campus on Raiwind Road spans 72 kanals and houses the Engineering, technology and computer science, University College of Dentistry and English Literature & Language. The facility features a comprehensive library, a spacious cafeteria and fully equipped laboratories and IT infrastructure.

The City Campus houses the school of Accountancy and Finance and is based in the posh Gulberg area.



**The University of
Lahore has THREE
Campuses in Lahore
and ONE Campus in
Islamabad.**

ISLAMABAD CAMPUS

The University of Lahore was established by Ibadat Educational Trust in the year 1999 at Lahore and Islamabad simultaneously. Punjab Government awarded charter to The University of Lahore in 2002. The objective of imparting quality and state of the art technical and professional education has not only been maintained by the professionals serving at the university but measures for continuous improvements are consistently taken. The Islamabad campuses have spread in its educational fields and now provide wide variety of curriculums including Management Sciences, Information technology, Pharmacy and Electrical Engineering, Civil Engineering, Accounting & Finance. Planning for launching additional fields remains an ongoing process.

New Campus

The New campus at main Islamabad highway is spread over 125 kanals of area. The facilities like library, student's auditorium, class rooms, laboratories, mosque, canteen, dispensary, Playgrounds, faculty offices have all been catered at the new campus. An administration block has been designed separate from two training blocks for smooth running of the UOL Islamabad campus. We endeavor to provide all possible facilities to students and staff for research and development in various fields of

Student Activities

We strive hard to groom future leadership in a manner that apart from education, the students are encouraged to take part in co-curricular activities. They are made to organize various functions like seminars, carry out public speaking, involve themselves in group discussions, make and present their projects and participate in sports competitions.

Boarding & Lodging

The university has hostel facilities near to New Campus at main Islamabad highway. Separate hostels for male and female students are being provided. Strict security arrangements have been created. An administration block has been designed separate from two training blocks for smooth running of the UOL Islamabad campus. We endeavor to provide all possible facilities to students and staff for research and development in various fields of education

Transportation

The Islamabad Campus has an independent bus & coasters fleet to facilitate the Students. Presently buses and coasters ply at Islamabad & within twin cities for the purpose.



STUDENT SERVICES

From lush gardens and quite libraries to bustling cafes and state of the Art laboratories, the University of Lahore has spared no expense in ensuring that students receive access to international quality facilities



TRANSPORT

The University of Lahore has a fleet of buses, which allows pick and drop facility to its various campuses and around the city. The University provides transport facilities to the teaching faculty and staff.

SPORTS FACILITIES

At the University of Lahore, we firmly believe that a healthy body is a key to a healthy mind. In this regard, the UOL has invested in purpose built sports and recreational facilities, which include spaces for, table tennis, swimming, cricket and football. A FIFA grade football field and track are also in development along with separate Gymnasiums for both male & female students. Sports at the University are managed by a dedicated department of sports.

LIBRARY FACILITIES

The University of Lahore currently houses four well equipped libraries with cumulatively more than 31000 books catering to a wide range of subjects. The University also has access to 2 mbit PERN facility as well as International online libraries and journals have access to 2 mbit PERN facility as well as International online libraries and journals.



HOSTELS/ACCOMMODATION

The New Campus of the University of Lahore at Defence Road features in facility of hostels for about 750 students (female), a Separate boys hostel is also being completed. The Facility features 24 hours security seven days a week, meeting rooms, social spaces and TV room along with cafeteria and laundry facility. High speed internet and wifi are also available. University wardens and residential mentors manage the facility. Additional housing and accommodation is available in the vicinity of the campus on Defence road and Raiwind road and is managed by the University hostels department.



IT FACILITIES

The University boasts excellent IT facilities with dedicated PC and Mac labs on premises. 16MB/s internet is also available to students in labs as well as the new wireless service on the Defence road campus.

All University students receive a dedicated University email address. Student information is stored and accessed via sophisticated University management system thus making the UOL a forerunner in modernizing student data management services within Pakistan.

FINANCE & SCHOLARSHIPS

Ibadat Educational Trust offers liberal scholarships for the benefit of needy and meritorious students. These include discounted fees, full-fee scholarships, and maintenance allowances.

Note: Further information can be obtained from the finance office.

CATERING & CAFETERIA

The University houses dedicated student center, four floors of self service cafeteria serving delicious continental cuisine as well as snacks through kiosks at defence road campus. A coffee bar and independent faculty dining area is also present within the facility along with adjunct services such as internet café and bookshops etc. The Raiwind Road Campus, Islamabad Campus and Lahore City Campus also have dedicated University managed cafeteria facilities.



INTERNATIONAL STUDENTS

The University of Lahore enjoys excellent links and partnerships in various areas of knowledge and resource sharing with some of the most prestigious Universities of the world.

Cambridge University UK
Wayne State University USA
Western Michigan University USA
Yeditepe University Istanbul
Imperial College London UK
University of Tabriz Iran
University of Mosul / Iraq
Eastern Mediterranean University Northern Cyprus
HITIT University, Turkey
University of FIRAT, Turkey
Sudan University of Science and Technology , Khartoum
National College Khartoum , Sudan
National Rabat University, Khartoum , Sudan
University of Simon Kimbangu, Congo
Mashal Institute of Higher Education Kabul , Afghanistan
Institute of Advance Dental Science & research (IADSR) Pakistan
Sargodha University, Pakistan
Lahore College for Women University, Pakistan
National Center for Physics, Quaid-e-Azam University, Pakistan
AFRO, Asia Institute of University Science & Medical Imaging (AIRSMI)

The University welcomes International students from friendly countries and has in the recent years attracted students from Istanbul, Palastine, Oman, Dubai and Uganda amongst others. Special foreign seats are available in programs such as Medicine , Dentistry and Engineering .

WELCOME WEEK

At the start of the university you will be invited to a practical five day programme designed to introduce you to customs & culture, life in Lahore, transport, facilities, campus life as well as giving you a chance to meet other international students



UOL RELIEF

The University of Lahore (UoL) was established in 1999 as a private university by the Ibadat Educational Trust. It is accredited by the Pakistan Engineering Council (PEC), Pakistan Medical and Dental Council and The Pharmacy Council of Pakistan. The university is the only private sector university to be ranked in the Times Higher Educational Supplement University Rankings as in the top 500 in the world from 2005-2008 and in top 700 in 2009 & 2010

The University of Lahore is spread over two campuses with approximately 12,000 students on its roll.

University of Lahore's COMMUNITY SERVICE

Community service is not new to The University of Lahore (UOL). It has been at the forefront of providing emergency relief and rehabilitation during times of natural disasters since 2005. During the earthquake in 2005 and during the IDP crisis in 2009, UOL team with the help of hundreds of student-volunteers started a much needed aid plan. We played a constructive relief and rehabilitation role for 2005 earthquake victims in Balakot as well as for the IDPs of Swat. The rehabilitation and rebuilding role is still being carried out in those areas and UOL is supporting some schools as well as providing community health-care over there. The University of Lahore not only provided food and medicines to the affected people then, but also successfully helped in rebuilding homes for the earthquake victims. During the floods of 2010 which were declared the 'flood of the millennia', University of Lahore kept up with its past tradition and started a Flood Relief Campaign within a few days after the disaster. They undertook a preliminary assessment of the situation by surveying different areas. The team then worked round the clock to formulate a plan of action to facilitate the flood victims. The University itself allocated 5 million rupees for the purpose of relief and rehabilitation of the flood victims.

It was felt that the time was ripe to launch the relief program under a separate department to do all the philanthropic work and to execute the required relief plan. Thus UOL Relief came into being as a project of the University of Lahore. Headed by the Pro Rector Mr. Nasir Mahmood, UOL Relief has been able to reach millions of people in far flung areas ever since. We feel proud to say that the effort of UOL Relief is purely voluntary. The University of Lahore staff and students assist UOL Relief by volunteering their time, presence and logistics for the aid work. The University Of Lahore (UOL) has the services of hundreds of student-volunteers for the execution of its aid plan. These students are young and energetic and can access unreachable far-flung areas. Unlike many NGOs, our volunteers do not ask for any compensation and work as philanthropists. This enables us to focus the efforts and 100 % of the funds for the relief work. This collective effort has made it possible for us to help the



Faculty of
ENGINEERING

**ELECTRICAL
ENGINEERING**

**CIVIL
ENGINEERING**

**MECHANICAL
ENGINEERING**

TECHNOLOGY



Department of **ELECTRICAL ENGINEERING**

Faculty of Engineering

Mission STATEMENT

The mission of the Department of Electrical Engineering is to provide excellent education in the field of electrical engineering both at graduate and undergraduate levels.

INTRODUCTION

The department of Electrical Engineering was launched in October 1999. Today, it offers undergraduate and graduate electrical engineering programmes which follow the curriculum formulated by the HEC.

The department places the maximum emphasis on lab work and project work backed by industrial visits designed to help develop concepts of theory taught in the courses.

We have a highly qualified, capable and devoted faculty consisting of a good blend of Professors, Assistant Professors, lecturers and lab engineers according to the rules laid down by the PEC. Facilities, including audio visual aids and massive parallel processing research

latest technology give students a creative and stimulating learning environment.

All students have access to a wide range of standard computing facilities supported by student Information Systems Services (SIS). SIS is also being utilized for an on-line complaints & suggestion system, student attendance records and an online enrollment facility.

Students of our department utilize the Transport and sport facilities of the University.

Courses OFFERED

Bachelor of Science in Electrical Engineering (**BSEE**)

Master of Science in Electrical Engineering (**MSEE**)



OUR FACULTY

Lt-Col-(R) Salamatullah
Head of Department
MSEE

Dr Inam Elahi Rana
Professor
PhD

Dr.Muhammad Sarwar Ehsan
Associate Professor
PHD Electrical Engineering

Dr. Musharraf Ahmed Hanif
Associate Professor
Ph.D. Electrical Engineering

Muhammad Ilyas Khan
Associate Professor
MS.c Satellite Communication
Engineering
MS.c Computer Engineering

Irshad Ahmad Goraya
Assistant Professor
MS Electrical Engineering

Zahid Irfan
Assistant Professor
MS

Fahad Islam Cheema
Assistant Professor
MS CE

Anwar Ul Haq
Assistant Professor
M. Phil Physics

S.M Raza
Assistant professor
MSCS

Muhammd Nawaz
Assistant Professor
M.Sc Electrical Engineering

Athar Haanif
Assistant Professor
PHD Electrical Engineering

Naeem UD Din Zia
Assistant Professor
Ms Electrical Engineering

Syed Naveed Bukhari
Assistant Professor
MSEE

Zahid Shakoor
Assistant Professor
M.Sc Electrical Engineering

M.Zulfiqar
Assistant Professor
MSEE

Rashid Javed
Assistant Professor
Communication

Zaffar Ur Rehman
Assistant Professor
MS Electrical Engineering

Naveed Ashraf
Assistant Professor
MSEE

Irfan Ahmad Khan
Assistant Professor
MSEE Electrical Power Engineering

Abdul Rehman Yasin
Assistant professor
MSEE Electrical & Communication

Muhammad Bilal Saqib
Assistant Professor
M.Sc Embedded System
Engineering

Awais Yousaf
Assistant Professor
MSEE

Ijlal Haider
Lecturer
MS Electrical Control Engineering

Nazim Siddique
Assistant Professor
MS Electrical Engineering

Usman Shahid
Assistant Professor
MSEE

Muhammad Rashad
Assistant professor
Ms Electrical
Engineering

Salman Rashid
Assistant Professor
MSCS

MS.Rida Zainab
Lecturer
B.SC Electrical Engineering

MS.Anum Javed
Lecturer
B.Sc Electrical Engineering

MS.Onaiza Yousaf
Lecturer
BS.c Electrical Engineering

MS.Rabia Arshad
Lecturer
B.Sc Computer Engineering

Hassan Bin Ahmad
Lecturer
MSEC

MS.Sadia Rashid
Lecturer
MSCS

MS.Sobia Bashir
Lecturer
MSCS

Salman Azhar Shaikh
Lecturer
MS Electrical Engineering

Muhammad Adeel Afzal
Lecturer
MS Electrical Engineering

Bilal Ashfaq Ahmed
Lecturer
M.Sc Computer Engineering

Shahzad Ahmed
Lecturer
BS Electrical Engineering

Muhammad Imtiaz
Lecturer
BS.c.

Waqas Khalid
Lecturer
B.SC Electronics & Communication
Eng

Nasir Mehmood
Lecturer
BSEE

Waqas Sharif
Lecturer
B.Sc Electrical Engineering

Muhammad Hamza Humayun
Lecturer
M.SC Electrical Engineering

Daud Mustafa Minhas
Lecturer
MS Electrical Engineering

Sibghat Ullah Nauman
Lecturer
BS Electrical Engineering

M Salman Fakhar
Lecturer
BS Electrical Engineering

M. Umer Arshad
Lecturer

Irfan Naseem
Lecturer
BS Electrical Engineering

Salahudin
Lecturer
BS Electrical Engineering

M Usman Asadf
Lecturer
BS Electrical Engineering

Arbab Mahmood Khan
LAB Engineer
BS.c Electrical Engineering

Aqib Ghafoor
Lab Engineer
BS.c Electrical Engineering

Kashif Mehmood
Lab Engineer
B.Sc Electrical Engineering

Faizan Rashid
Lab Engineer
BSEE

Adel Saleem
Lab Engineer
BSEE

Bachelor of Science in ELECTRICAL ENGINEERING (BSEE)

INTRODUCTION

The undergraduate electrical engineering program is based on a solid foundation in Mathematics, Physical Sciences and Computer programming to ensure the successful completion of the programme and to equip the students with future professional skills, rational reasoning and analytical skills. The programme provides a broad engineering core competence which enables students to communicate & interact effectively with engineers in different specialist areas and to make technical decisions with confidence. On successful completion the student will possess the ability to perform integrated problem solving, problem identification, analysis,

hypothesis testing, solution verification and implementation.

Career PROSPECTS

Electrical engineers are in demand with employers both in Pakistan and overseas. Within electrical engineering the main employment areas include electrical power generation, supply and distribution, power systems, the installation and design of electrical machinery and mobile communication companies.

Course FACTS

Program Length

Full-time, 4 Years

Entry Requirements

F.sc (Math, Physics and chemistry),
OR Equivalent DAE Telecom, DAE
Instrumentation, DAE Electrical with
Minimum 60%, Entrance Test.

Location

Raiwind Road Campus

Recognised BY

Higher Education Commission
Pakistan Engineering Council

Road MAP

Semester 1	Cr Hr	Semester 2	Cr Hr	Semester 3	Cr Hr	Semester 4	Cr Hr
Applied Calculus	3	Basic Mechanical Engineering	3	Applied Thermodynamics	3	DC & AC Machines	4
Circuits Analysis - I	4	Computer Programming	4	Complex Variables & Transforms	3	Digital Design Lab	2
Communication Skills	3	Electrical Material & Devices	3	Computer Aided Drawing	2	Introduction to Signal Processing	4
Introduction To Computing	3	Linear Algebra	3	Electrical Engineering Workshop	1	Microprocessor & Computer Architecture	3
Islamic & Pakistan Studies	3	Differential Equations	3	Logic Design & Switching Theory	4	Solid State Geometry & Multivariate Calculus	3

COURSES

CORE COURSES

- Applied Calculus
- Circuits Analysis - I
- Communication Skills
- Introduction To Computing
- Islamic & Pakistan Studies
- Mechanical Engineering Workshop
- Basic Mechanical Engineering
- Computer Programming
- Electrical Material & Devices
- Linear Algebra
- Differential Equations
- Circuits Analysis - II
- Applied Thermodynamics
- Complex Variables & Transforms
- Computer Aided Drawing
- Electrical Engineering Workshop
- Logic Design & Switching Theory
- Network Analysis
- DC & AC Machines
- Digital Design Lab
- Introduction To Signal Processing
- Microprocessor & Computer Architecture
- Solid State Geometry & Multivariate Calculus
- Electronic Devices & Circuits
- Electromagnetic Field Theory
- Integrated Circuits & Systems

- Microprocessor Based Embedded Systems
- Digital Signal Processing
- Probability & Stochastic Processes
- Communication Systems
- Numerical Analysis
- Engineering Economics & Management
- Instrumentation & Measurement
- Control Systems
- Power Electronics
- ECE Design Project

- Digital Control Systems
- Control Of AC & DC Drives
- Telecom System Analysis & Design
- Telecom Switching
- Filter Theory & Design
- Data Structures
- Digital Electronics

ELECTIVES COURSES

- Power Systems
- Power System Analysis
- Power System Operations & Control
- Power System Protection
- Power Plants
- High Voltage Engineering
- Electrical Machines Design
- Data Structures

ELECTRONIC & COMMUNICATION ELECTIVES

- Data & Computer Communication
- Mobile Communication
- Wireless Communication
- Advanced Network
- Embedded Systems Design

Semester 5	Cr Hr	Semester 6	Cr Hr	Semester 7	Cr Hr	Semester 8	Cr Hr
Electromagnetic Field Theory	3	Communication Systems	3	Control Systems	3	Technical Elective	3
Integrated Circuits & Systems	4	Technical Elective	3	Power Electronics	4	Technical Elective	3
Microprocessor Based Embedded Systems	4	Technical Elective	3	Technical Elective	3	ECE Design Project	6
Digital Signal Processing	4	Numerical Analysis	3	Technical Elective	3		
Probability & Stochastic Processes	3	Engineering Economics & Management	3				

Master of Science in ELECTRICAL ENGINEERING (MSEE)

INTRODUCTION

The program is structured around a core of knowledge related to analytical and management tools, supplemented by advanced technical electives in the area of microwave engineering, power engineering, electronics engineering and communication engineering. The students will have to study eight subjects of 3 credit hours each. In addition he / she will submit a research thesis of 6 credit hours. The detail of the program is given in the curriculum.

COURSES

CORE COURSE

- Digital Communication System
- Advance Stochastic Processes
- Advance Digital Signal Processing
- Advance Computer Networks
- Mathematical Methods for Engineers
- Analysis & Design of RF Circuits & Systems
- Non Linear Microwave & RF Circuits
- Advance Engineering Electrodynamics
- Antenna Theory & Design
- Advance Power System Protection
- Advance High Voltage Engineering
- Power Circuit Breaker & Substations

Career PROSPECTS

This program has been designed for professionals working under the umbrella of Electrical Engineering who wish to enhance their technical skills for career advancement. Students will gain an ability to use advance mathematics and stochastic processes for the analysis of engineering problems, an understanding and appreciation of concepts related to quality, information management and the ability to synthesize knowledge gained in course work to a research project. This program not only enhances the strength of the students in the area of their own choice but also makes them feel better prepared to compete in higher academic pursuits such as PhD programs

- Power System Quality, Reliability & Planning

ELECTIVES COURSES

- Transients in Power system
- Insulation Coordination
- Advance Machines Theory
- Power Electronics Application
- Alternative Energy Sources
- Microwave Semiconductor devices
- Theory & Design of Microwave Filters
- Digital Speech Processing
- Fiber Optic System Design

Course FACTS

Program Length

Full-time, 2 Years

Entry Requirements

BS (Electrical Engg, Electronics Engg, Telecom Engg, Computer Engg, Communication Engg) from PEC recognized University with min 2.5 CGPA (Semester Sys) or 60% (Annual Sys). Interview & Entry test & GAT arranged by NTS

Location

Raiwind Road Campus

Recognised BY

Higher Education Commission

PRE REQUISITE COURSES

- Power System
- Computational Power system Analysis
- Microwave Engineering-1
- Microwave Engineering-2
- Introduction to Communication Systems
- Stochastic Process



LEARN
PROFESSIONAL
TECHNIQUES

Department of **MECHANICAL ENGINEERING**

Faculty of Engineering

Mission STATEMENT

The Mechanical Engineering Department at the University of Lahore offers a diverse range of challenges and opportunities which recognise the requirements of the 21st Century. The department is committed to preparing graduates who can work cooperatively and professionally with other scientists and engineers to develop innovative solutions to complex problems in the field of engineering.

INTRODUCTION

The Department of Mechanical Engineering at the University of Lahore will provide a sound foundation in science, computational skills and mathematics to solve engineering problems in areas such as thermodynamics, fluid mechanics, applied mechanics, design, manufacturing systems, engineering management and economics.

The curriculum includes analytical tools, creative thought, communication skills and their

application in engineering for lifelong learning and a successful career in solving the engineering problems of the real world.

Experienced and subject specialist staff provide quality educational materials and prepare the student to achieve the following objectives in the Mechanical Engineering Programme.

1. An ability to apply knowledge of mathematics, science and engineering.
2. An ability to design and conduct experiments well as to analyze and interpret data.
3. An ability to identify, formulate and solve engineering problems
4. An understanding of professional and ethical responsibilities.
5. An ability to use techniques, skills and modern engineering tools necessary for engineering practices.
6. An ability to communicate effectively and an understanding of engineering solutions in a global and social context.

Courses OFFERED

**Bachelor of Science in
Mechanical Engineering
(BSME)**



OUR FACULTY

Prof. Dr. Amjad Parvez Sheikh

HOD

Ph.D , University of Birmingham, UK, 1972

M.Sc , University of Birmingham, UK, 1969

B.Sc, UET, Lahore, 1967

Prof. Dr. Mohammad Nazir

Professor

Ph.D , University of Stratheclyde, UK, 1972

B.Sc (Hons.), London University, UK, 1963

Mr. Hassan Farid Khan

Assistant Professor

M.Sc, UET, Lahore, 2009

B.Sc, UET, Lahore, 2001

Mr. Khalid Mehmood,

Assistant Professor

M.Sc, UET, Lahore, 2002

B.Sc, UET, Lahore, 1986

Mr. Inamullah, Assistant

Professor

M.Sc, NUST, Islamabad, 2006

B.Sc, UET, Lahore, 1997

E-mail:inam@uol.edu.pk

Mr. Imran Afzal Mughal,

Assistant Professor

M.Sc, Coventry University, UK, 2003

B.Sc, GIKI, Swabi, 1997

Mr. Adeel Nizami, Assistant

Professor

M.Sc, KIAST, Korea, 2011

B.Sc, UET, Lahore, 2003

Mr. Aatif Irshad, Assistant

Professor

M.Sc, KARLSSTAD, Sweden , 2011

B.Sc, NUST, Islamabad, 2006

Mr. Muhammad Zeeshan

Rafique

Assistant Professor

M.Sc, Greenwich University of London, UK, 2011

B.Sc, UET, Taxila, 2007

Mr. Naeem Yousaf

Assistant Professor

M.Sc, Dalarna University, Sweden, 2010

B.Sc, UET, Taxila, 2008

Mr. Muhammad Usman Butt

Lecturer

M.Sc, Lebniz University, Germany, 2009

B.Sc, Mannheim University, Germany, 2007

Mr. Muhammad Umer Ilyas

Lecturer

B.Sc, UET, Lahore, 2009

Mr. Muhammad Punhal Sahto

Lecturer

M.Sc, UET, Lahore, In Progress

B.Sc, QUEST, Nawabshah, 2006

Mr. Khurram Hameed Mughal

Lecturer

M.Sc, UET, Lahore, In Progress

B.Sc, UET, Lahore, 2008

Mr. Adeel Munir

Lecturer

M.Sc, UET, Lahore, In Progress

B.Sc, UET, Lahore, 2008

Mr. Khalid Saifullah

Lecturer

B.Sc, UET, Lahore, 2008

Mr. Raees Ahmad

Lecturer

M.Sc, UET, Lahore, In Progress

B.Sc, UET, Lahore, 2009

Mr. Sermad Ali

Lecturer

M.Sc, UET, Lahore, In Progress

B.Sc, UET, Lahore, 2009

Mr. Atif Ilyas

Lecturer

M.Sc, UET, Lahore, In Progress

B.Sc, UET, Lahore, 2009

Mr. Sheeraz Ali

Lecturer

M.Sc, UET, Lahore, In Progress

B.Sc, UET, Lahore, 2009

Mr. Muhammad Anas Rasool

Lecturer

M.Sc, UET, Lahore, In Progress

B.Sc, UET, Lahore, 2009

Mr. Muhammad Sohaib Hanif

Lecturer

M.Sc, UET, Lahore, In Progress

B.Sc, UET, Lahore, 2009

Mr. Tariq Mahmood Butt,

Lecturer

B.Sc, UET, Lahore, 2008

Mr. Ghulam Hassan

Lecturer

M.Sc, UET, Lahore, In Progress

B.Sc, UET, Lahore, 2009

Miss Azeen Farooq

Lecturer

M.Sc, UET, Lahore, In Progress

B.Sc, UET, Lahore, 2009

Mr. Mian Muhammad

Misbahuddin

Lecturer

M.Sc, UET, Lahore, In Progress

B.Sc, UET, Lahore, 2009

Miss Asifa Rasheed

Lecturer

M.Sc, UET, Lahore, In Progress

B.Sc, UET, Lahore, 2010

Mr. Uman Ahmad

Lecturer

M.Sc, UET, Lahore, In Progress

B.Sc, UET, Lahore, 2001

Mr. Muhammad Usman

Lecturer

M.Sc, Linnaeus University, Sweden, 2010

B.Sc, UET, Taxila, 2008

Miss Romeeza Majeed

Lecturer

M.Sc, NUST, Islamabad, In Progress

B.Sc, UET, Lahore, 2009

Miss Riffat Hasnain

Lecturer

M.Sc, UET, Lahore, In Progress

B.Sc, UET, Lahore, 2004

Miss Namra Sheikh

Lecturer

B.Sc, UET, Lahore, 2009

Mr. Muhammad Adeel Butt

Lecturer

M.Sc, UET, Lahore, In Progress

B.Sc, UET, Lahore, 2008

Mr. Salman Abubakar Bugri

Lecturer

M.Sc, UET, Lahore, In Progress

B.Sc, UET, Lahore, 2000

Mr. Tahir Asif

Lecturer

M.Sc, UET, Lahore, In Progress

B.Sc, UET, Lahore, 2011

Miss Nudrat Fatima

Lecturer

M.Sc, UET, Lahore, In Progress

Mr. Nazir Ahmad

Lab. Engineer

B.Sc, UET, Lahore, 1980

Mr. Mansoor Ali Zaheer

Lecturer

M.Sc, UET, Lahore, In Progress

B.Sc, BZU, Lahore, 2011

Miss Munim Shoukat

Lab. Engineer

B.Sc, UET, Lahore, 2011

Mr. Aqeel Abbas

Lab. Engineer

M.Sc, UET, Lahore, In Progress

B.Sc, UET, Lahore, 2010

Khawaja Muhammad Ashraf

Workshop Incharge

5 Years Licienciate Advance

Training course

Teacher's Training Course

Bachelor of Science in MECHANICAL ENGINEERING (BSME)

INTRODUCTION

BSME at the University of Lahore concentrates on Thermal Sciences, Manufacturing & Production Engineering, Mechanics, Design & Vibrations, Fluid Mechanics, Control Engineering, Power, Energy and Quality Control. It offers students an opportunity to study in a wide variety of subjects with practical training.

part of the world. In Pakistan different kinds of industries and organizations need mechanical engineers abundantly e.g. Heavy Mechanical Complex, NDC, Suparco, PMO, Pakistan Air Force, Pakistan Army, PIA, Nuclear Energy Commission and many industries in the private sector.

Career PROSPECTS

Mechanical Engineering has a diversity of applications in almost all industries like, Manufacturing, Power Plants, Design of Static & Dynamic equipment etc. in any

Course FACTS

Program Length

Full-time, 4 Years

Entry Requirements

F.Sc, DAE (Mechanical), A-Level or Equivalent (Minimum 60% Marks)

Location

Raiwind Road Campus

Recognised BY

Pakistan Engineering Council
Higher Education Commission

COURSES

CORE COURSES

- Applied Mathematics - I
- Computer System & Programming
- Engineering Drawing & Graphics
- Applied Physics
- English
- Applied Mathematics – II
- Engineering Dynamics
- Pakistan Studies
- Islamic Studies
- Thermodynamics – I
- Workshop Practice
- Applied Mathematics – III
- Electrical Engineering
- Engineering Materials
- Fluid Mechanics – I
- Psychology & Human Behavior
- Mechanics Of Materials - I
- Electronics
- Fluid Mechanics – II
- Machine Design I
- Manufacturing Processes - I
- Applied Mathematics – IV
- Mechanics of Machines - I
- Engineering Statistics
- Manufacturing Processes - II
- Mechanics of Materials – II
- Technical Writing & Presentation Skills
- Thermodynamics – II

- CAD/CAM Laboratory
- Machine Design
- Machine Design – II
- Business & Entrepreneurship
- Mechanics of Machines – II
- Measurement & Instrumentation
- Refrigeration & Air Conditioning
- Industrial Management & Economics
- Internal Combustion Engines
- Mechanical Vibrations
- Quality Engineering
- Project
- Technical Report Writing
- Control Engineering
- Heat And Mass Transfer
- Environmental Engineering

ELECTIVE COURSES

- Refrigeration and Air Conditioning
- Internal Combustion Engines
- Finite Element Analysis
- Maintenance Engineering
- Renewable Energy Technology
- Power Plant Engineering
- Mechanical Engineering Design Analysis
- Total Quality Management
- Operations Management
- Project Management
- Safety, Health & Environment

Road MAP

Semester 1	Cr Hr	Semester 2	Cr Hr	Semester 3	Cr Hr	Semester 4	Cr Hr
Applied Mathematics - I	3	Applied Mathematics – II	3	Applied Mathematics – III	3	Electronics	3
Computer System & Programming	3	Islamic Studies	2	Electrical Engineering	3	Thermodynamics - II	4
Engineering Drawing & Graphics	4	Engineering Statics	4	Engineering Dynamics	3	Engineering Statistics	2
Applied Physics	3	Thermodynamics – I	4	Pakistan Studies	2	Fluid Mechanics - I	4
English	3	Engineering Materials	3	Mechanics of Materials - I	4	Psychology & Human Behavior	2
		Workshop Practice	2	Technical Writing and	2	Mechanics of Machines - I	3

Semester 5	Cr Hr	Semester 6	Cr Hr	Semester 7	Cr Hr	Semester 8	Cr Hr
Manufacturing Processes - I	3	CAD/CAMLaboratory	2	Heat And Mass Transfer	4	Control Engineering	3
Applied Mathematics – IV	3	Machine Design	3	Mechanical Vibrations	4	Technical Elective - II	4
Mechanics Of Machines - II	4	Manufacturing Processes - II	4	Project	3	Technical Elective - III	3
Measurement And Instrumentation	3	Mechanics Of Materials - II	3	Technical Report Writing	3	Management Elective – I	3
Fluid Mechanics - II	4	Business & Entrepreneurship	3	Technical Elective - I	3	Project	3
		Industrial Management and	2				

Department of **CIVIL ENGINEERING**

Faculty of Engineering

Mission STATEMENT

The Department of Civil Engineering was established to train students to become competent professionals and researchers through its eminent faculty, state of the art laboratories and infrastructure. The promotion of research activities to find innovative solutions of pragmatic engineering problems by using research facilities of international standards.

INTRODUCTION

Civil engineering deals with development in terms of conceiving, planning, designing, executing, managing, maintaining and rehabilitating infrastructure and building facilities. This is a diversified discipline which deals with all types of human endeavors related to the growth of civilization in the shape of buildings, transportation systems, industry, power systems, water resources, environment and geo sciences. Civil Engineers play a vital role to execute the visualization and routinely face multi-faceted, dynamic challenges on projects in

various roles as client, consultant, contractor and related fields.

The Department of civil engineering is providing excellence to its students by improving competencies in novel techniques and methods to fulfill the needs of a sustainable built environment. This diverse platform has been established to provide quality engineering education which will allow its students to acquire the most advanced knowledge.

Civil Engineering is a challenging profession which requires knowledge of mathematics, applied sciences and computation skills to solve civil engineering problems. The curriculum is designed to nurture students to latent capabilities. Advanced engineering theoretical constructs and skills are instilled in students by utilizing state of the art lab equipment to learn the engineering profession and utilise it in the development of the society.

Courses OFFERED

Bachelor of Science in Civil Engineering
(BSCE)



PROFESSIONAL
TECHNIQUES

OUR FACULTY

Dr. Muhammad Zulfiqar Ali Khan

Professor/HOD

Ph.D (Environmental Engineering)
Virginia, U.S.A.

Dr. Mahboob Ali Chaudhry

Professor/DEAN

Ph.D (Structures) (Russia)

Dr. Nazir Ahmad Hawary

Professor

Ph.D (Water Resources) (USA)

Dr. Muhammad Hanif

Professor

Ph.D (Rock Mechanics) (U.K)

Engr. Ch. Karamat Ali

Assistant Professor

M.Sc. Hydraulics Engineering (UK)

Engr. Wasif Ali

Assistant Professor

Ph.D. Environmental Engineering
(in progress) UET Lahore
M.Sc. Environmental Engineering
(UET-Lahore)

Dr. Muhammad Khurram Shahzad

Assistant Professor

Ph.D (Water Resource) (Germany)

Engr. Muhammad Ahmad Adnan

Assistant Professor

Ph.D (Continue-USA)
(Structural Engineering)

Engr. Shakeel Hassan

Assistant Professor

M.Sc (Water Resources)
Sweden

Engr. Akhtar Abbas

Assistant Professor

M.Sc (Infrastructures Engineering)
Sweden

Engr. Muhammad Ali Khan

Assistant Professor

M.Sc (Structural Engineering)
(Germany)

Engr. Muhammad Nasir Khurshid

Assistant Professor

M.Sc (Geotechnical Engineering)
Pakistan

Engr. Rehan Masood

Assistant Professor

M.Sc (Construction Engineering
and Management)

Engr. Rana Muhammad Sajid Imran

Lecturer

M.Sc (Infrastructure Engineering)
Sweden

Engr. Muhammad Umer Farooq

Lecturer

M.Sc (Continue) (Structural
Engineering, UET, Lahore. Pakistan)

Engr. Muhammad Ahmad

Lecturer

M.Sc (Continue) (Structural

Engineering, UET, Lahore. Pakistan)

Engr. Tariq Ali

Lecturer

M.Sc (Continue) (Structural
Engineering, UET, Lahore. Pakistan)

Engr. Zeeshan Ullah

Lecturer

M.Sc (Continue) (Structural
Engineering, UET, Lahore. Pakistan)

Engr. Ussama Waseem

Lecturer

M.Sc (Continue) (Transportation
Engineering, UET, Lahore. Pakistan)

Engr. Zahoor Ahmad Khan

Lecturer

M.Sc Computer Sciences)
United Kingdom

Engr. Shahid Naseem

Lecturer

M.Phil
(ComputerSciences), Pakistan

Engr. Iram Shahzadi

Lecturer

M.Sc (Computer Sciences)

Engr. Omer Altaf

Lecturer

M.Sc (Continue) (Geotechnical
Engineering, UET, Lahore. Pakistan)

Engr. Usman Haider

Lecturer

M.Sc (Continue) (Structural
Engineering, UET, Lahore. Pakistan)

Engr. Azhar Shahzad

Lecturer

M.Sc (Continue) (Geotechnical
Engineering) UET, Lahore. Pakistan

Engr. Muhammad Faheem Haider

Lecturer

M.Sc (Continue) (Geotechnical
Engineering UET, Lahore. Pakistan)

Engr. Tahir Saleem

Lecturer

M.Sc (Continue) (Structural
Engineering, UET, Lahore. Pakistan)

Engr. Muhammad Safdar

Lecturer/Lab Engineer

M.Sc (Continue) (Structural
Engineering, UET, Lahore. Pakistan)

Engr. Shahid Naseem

Lecturer

M.Phil
(ComputerSciences), Pakistan

Engr. Muhammad Asim Shoaib

Lecturer/Lab Engineer

M.Sc (Continue) (Hydraulics), UET,
Lahore. Pakistan

Engr. Muhammad As ad Shaheen

Lecturer/Lab Engineer

M.Sc (Continue) (Structural
Engineering), UET, Lahore. Pakistan)

Engr. Muhammad Ramzan

Lecturer/Lab Engineer

M.Sc (Continue) (Geotechnical

Engr. Muhammad Ibrahim

Lecturer/Lab Engineer

M.Sc (Continue) (Hydraulics), UET,
Lahore. Pakistan

Engr. Ammaila Rashid Haider

Lecturer/Lab Engineer

M.Sc (Continue) (Structural
Engineering), UET, Lahore. Pakistan)

Engr. Fatima Mehvish

Lecturer/Lab Engineer

M.Sc (Continue) (Structural
Engineering), UET, Lahore. Pakistan)

Engr. Maryam Adnan

Lecturer/Lab Engineer

M.Sc (Continue) (Structural
Engineering), UET, Lahore. Pakistan)

Engr. Iram Shahzadi

Lecturer/Lab Engineer

M.Sc (Continue) (Structural
Engineering), UET, Lahore. Pakistan)

Engr. Amer Yaqub

Lecturer/Lab Engineer

Lecturer/Lab Engineer
M.Sc (Continue) (Structural
Engineering), UET, Lahore. Pakistan)

Engr. Rabia Yaseen Bhatti

Lecturer

M.Sc (Continue) (Geotechnical
Engineering), UET, Lahore. Pakistan)

Engr. Sadia Kalsoom

Lab Engineer

M.Sc (Continue) (Structural
Engineering), UET, Lahore. Pakistan)

Bachelor of Science in CIVIL ENGINEERING (BSCE)

INTRODUCTION

The Civil Engineering discipline lays emphasis on a basic knowledge of mathematics, applied sciences and computation skills. This program will help students to apply their knowledge in the fields of Civil Engineering to identify, formulate, and solve open-ended Civil Engineering problems. It offers students an opportunity to study a wide variety of subjects with practical training and understanding of the professional, ethical and social responsibilities needed for Civil Engineering Practice.

Career PROSPECTS

The Civil Engineering graduate can look for jobs in road projects, building work, consultancy firms,

quality testing laboratories or housing societies. Civil Engineers have good prospects of finding a job in Government departments, private and public sector industries, research and teaching institutions etc. Civil Engineers will always be needed to maintain and repair existing facilities and structures and to construct new ones in the fields of coastal, environmental, structural, transport, urban and water resources engineering.

Civil Engineers are employed in all major construction projects carried out by the municipalities, city governments, provincial or central government, private construction companies, military, engineering services and project management. Civil Engineering graduates can also go in for

research and take up teaching or they can open their own independent firms for consultancy or construction services.

Course FACTS

Program Length
Full-time, 4 Years

Entry Requirements
Minimum 60 % Marks in F.Sc (Pre-Engineering)/A-Levels/ Diploma in Associate Engineering (DAE-Civil)

Location
Raiwind Road Campus

Recognised BY

Higher Education Commission
Pakistan Engineering Council

Road MAP

Semester 1	Cr Hr	Semester 2	Cr Hr	Semester 3	Cr Hr	Semester 4	Cr Hr
Computer Programming	3	Engineering Surveying	4	Engineering Geology	3	Quantity Surveying & Estimation	3
Engineering Mechanics	4	Civil Engineering Materials & Construction	4	Civil Engineering Drawing & Graphics	3	Structural Analysis	3
English Language Skills	3	Basic Electro Mechanical Engineering	4	Advanced Engineering Surveying	4	Soil Mechanics	4
Applied Calculus (Math-I)	3	Engineering Drawing	4	Mechanics of Solids-I	4	Hydrology and Water Management	4
Islamic & Pak Studies	3	Differential Equation (Math-II)	3	Fluid Mechanics	4	Numerical Analysis	3

COURSES

PRE-REQ COURSES

- Transportation Engineering
- Soil Mechanics
- Plain & Reinforced Concrete – I
- Advanced Fluid Mechanics
- Hydrology & Water management
- Environmental Engineering – I
- Social Sciences – I

CORE COURSES

- Engineering Mechanics
- Engineering Surveying
- Engineering Drawing
- Civil Engineering Materials & Construction
- Civil Engineering Drawing & Graphics
- Advanced Engineering Surveying
- Mechanics of Solids – I
- Fluid Mechanics
- Quantity Surveying & Estimation
- Structural Analysis
- Soil Mechanics
- Advanced Fluid Mechanics
- Plain & Reinforced Concrete – I
- Environmental Engineering – I
- Transportation Planning & Management
- Hydrology and Water Management
- Construction Management
- Architecture & Town Planning

ELECTIVE COURSES

- Highway & Traffic Engineering
- Pavement & Foundation Engineering
- Plain & Reinforced Concrete – II
- Hydraulic Engineering
- Irrigation & Drainage Engineering
- Environmental Engineering – II
- Social Sciences – II
- Design Structure
- Irrigation & Hydraulic Engineering

Semester 5	Cr Hr	Semester 6	Cr Hr	Semester 7	Cr Hr	Semester 8	Cr Hr
Probability Method in Engineering Math (IV)	3	Plain & Reinforced Concrete-I	4	Architecture & Town Planning	3	Technical Elective-III	3
Advanced Fluid Mechanics	4	Mechanics of Solids-II	3	Structural Engineering	3	Technical Elective-IV	3
Communication Skills & Technical Writing	2	Transportation Planning & Management	4	Technical Elective-I	3	Technical Elective-V	3
Environmental Engineering-I	4	Structural Analysis-II	3	Technical Elective-II	3	Project	3
Steel Structures	3	Construction Management	3	Project	3	Disaster Management	2

Department of **TECHNOLOGY**

Faculty of Engineering

Mission **STATEMENT**

The Technology Department envisages catering for the future needs of an ever expanding industrial sector whilst creating the vision and potential to produce the Technologists needed in the future.

INTRODUCTION

Engineering disciplines have come a long way in developing countries, to the level that we can now see in our own surroundings. At first, Civil, Mechanical & Electrical engineering were the main technologies being offered in all engineering setups. As development progressed, technology changed and services had to be provided to a growing population, new and more productive methods became the need of the time. Innovation and new ideas became research models. This brought in specializations which needed more productive machines & methods. In order to achieve these objectives, new technologies were introduced to cope with new demand pattern. The BSc-Tech programme is an off shoot of General Engineering in Electrical, Mechanical, Civil, & Electronics

and catering for the needs of talented engineers. The intention is to contribute toward better production of quality goods in a competitive market. The design of these courses is more oriented towards learning skills. It has a built in mechanism to promote better & high quality products. Our courses are blends of general subjects like English, Maths, Applied Physics etc, which help students gradually enter different engineering disciplines.

The University has remodeled its curriculum, enhanced workshop facilities and hired better qualified and more experienced faculty. Seeking to emphasise the impact of a better qualified Engineer on the overall improvement of products and services; the University has brought a new trend into its learning process by providing exclusive Industrial training. This is underlined by Industrial visits to various Industries and engineering set ups for our students. In this context the academic calendar has been remodelled. Annual and Semester system students will go to various Industries for two months of training during July and August. This program will be monitored by Faculty on a regular basis. Students

for evaluation by the selected body from the faculty in order to earn credit hours. The ultimate benefit of such an industrial exposure program is the likelihood of many students being offered jobs in industry itself.

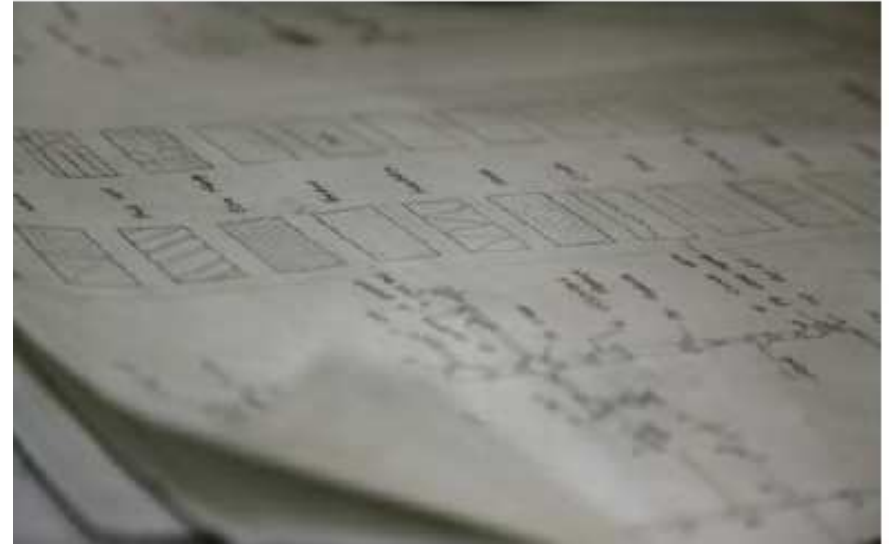
Graduates of Technology are the future architects of the economic development of the country. The University understands these challenges, and will strive to provide the skills for Technology graduates to fit into all the Industrial & Design requirements of tomorrow.

Courses **OFFERED**

Bachelor of Science in
Mechanical Technology
(BS Tech Mechanical)

Bachelor of Science in Civil
Technology **(BS Tech Civil)**

Bachelor of Science in
Electrical Technology
(BS Tech Electrical)



OUR FACULTY

Engr. Uzair Raof
Deputy Executive Director
MSEE
BSEE

Col (R) Zaka Ur Rehman
Head of Department
MSC Communication Security
B.Sc Telecommunication
Engineering

Dr. Muhammad Sharif Assi
Head of Social Science Division
Ph.D Education
M.A LLB

Engr. Muhammad Usman
Lecturer
M.Sc Electrical Engg
(In progress)
B.Sc Electrical Engg

Engr. Syed Adnan Raza
Lecturer
B.Sc Mechanical Engineering

Engr. Waseem Shahid
Lecturer
B.Sc Civil Engineering

Engr. Muhammad Arshad Ch.
Lecturer
M.Sc Metallurgical & Materials
Engineering
MBA Allama Iqbal Open University
Islamabad

Engr. Adnan Warraich
Lecturer

System) In progress
BS TE (Electrical & Electronics
Engineering)

Engr. Jumshed Akhtar
Lecturer
B.Sc Electrical Engineering. (UET)

Engr. Muhammad Usman Gull
Lecturer
B.Sc Electrical Engineering (UOL)

Engr. Nasir Nauman
Lecturer
BS Electronics and Communication

Engr. Waqas Amin Sheikh
Lecturer
BE (Electrical Engineering)

Engr. Adeel Ahmad
Lecturer
M.Sc Computer Engineering
B.Sc. Electrical Engineering

Engr. Muhammad Junaid Tahir
Lecturer
M.Sc. Electrical Engineering (In
progress)
B.Sc Electrical Engineering

Capt. (R) Faraz Ullah Khan
Lecturer
MCS (NUST)
B.Sc (Electronics &
Telecommunication)(UET)

Engr. Mian Usman Zahid
Lecturer
BE (Electrical Engineering)

Engr. Naveed Us Salam
Lecturer
BS Electrical Engineering

Engr. Yasir Dawood
Lecturer
M.Sc Engineering Management
B.Sc Electrical Engineering

Engr. Adnan Samad
Lecturer
B.Sc. Electrical Engineering

Engr. Hisham Khalil
Lecturer
M.Sc Electronics (Continue)
B.Sc Electronics & Communication

Engr. Abid Iqbal Khan
Lecturer
B.Sc Electronics Engineering

Engr. Muhammad Imran Javed
Lecturer
MSEE (in progress)
BE (Electrical Engineering)

Engr. Adil Naseem
Lecturer
BS Electrical Engineering

Engr. Maria Idrees
Lecturer
M.S Civil Engineering
B.Sc Architectural Engineering

Engr. Humaira Kanwal
Lecturer
B.Sc Architectural Engineering

Engr. Maryam Noor
Lecturer
B.Sc Civil Engineering

Engr. Nayab Azhar
Lecturer
B.Sc. Architectural

Engr. Hafiz Muhammad Shoaib
Lecturer
B.Sc. Civil Engineering

Engr. M. Junaid Butt
Lecturer
B.Sc Civil Engineering

Engr. Muhammad Haider Khan
Lecturer
M.S Hydraulics & Irrigation
Engineering
B.Sc Civil Engineering

Engr. Fahad Mazhar
Lecturer
B.Sc Civil Engineering

Engr. Amir Mehmood
Lecturer
B.Sc Civil Engineering

Engr. Sajid Ali
Lecturer
M. Tech. E (Gold Medalist)
B. Tech (Hons) Mechanical
Technology (UET)

Engr. Mubashra Javaid
Lecturer
MSC Manufacturing Engineering
(In progress)

Engineering)

Engr. Rizwan Zafar
Lecturer
M.Sc Manufacturing Engineering
(Continue)
B.Sc Industrial Engineering &
Management

Engr. Naveed Akram
Lecturer
B.Sc Mechanical Engineering

Engr. Qasim Ali
Lecturer
M.Sc Mechanical Design
Engineering (Continue)
B.Sc Mechanical

Engr. Mehroz Sana
Lecturer
B.Sc Mechanical Engineering

Engr. Anum Azam Durrani
Lecturer
M.Sc Mechanical Engineering
(In progress)
B.Sc Mechanical Engineering

Engr. Anum Butt
Lecturer
B.Sc Mechanical Engineering

Arif Nazir
Lecturer
PhD. in Progress
M. Phil. Chemistry

Engr. Masood Ahmad
Lecturer

University Karachi

Asif Mahmood
Lecturer
M.Phil (Environmental
Management & Science) B. Ed.

Hafiz Usama Hashmat
Lecturer
B.Sc Mechanical Engineering

Adnan Asghar
Lecturer
M.Sc Mathematics, B.Sc

Zulqarnain Sajid
Lecturer
M.Phil Petroleum Geology
(In progress)
B.Sc. Hons Applied Geology

Muhammad Tahir
Lecturer
M.Sc Physics
B.Sc Physics

Muhammad Shahzad
Lecturer
MS Computer Science

**Engr. Muhammad Hassan
Rehman**
Lecturer
MSC Hydrology Engineering
B.SC Civil Engineering

Muhammad Atif Sultan
Lecturer
M.Phil High Energy Physics
B.Sc (Hons) Physics

OUR FACULTY

Tasawar Shahzad Ahmad

Lecturer

M.Phil High Energy Physics
M.Sc Physics

Manzar Ehsan

Lecturer

M.A. Islamic Studies
B.A. University of the Punjab

Zubair Ahmad

Lecturer

M.Phil Mathematics

Muhammad Yaseen

Lecturer

M.Phil (JET)
B.Sc. BZU Multan

Muhammad Haris Nadeem

Lecturer

MS Applied Linguistics
M.A. English Linguistics

Amnah Moghees

Lecturer

M.Phil Applied Linguistics
PGD Linguistics

Saima Sidduqi

Lecturer

M.Phil Mathematics (In progres)
MSC Mathematics (In progres)

Nadeem Ghouri

Lecturer

M.Phil Mathematics

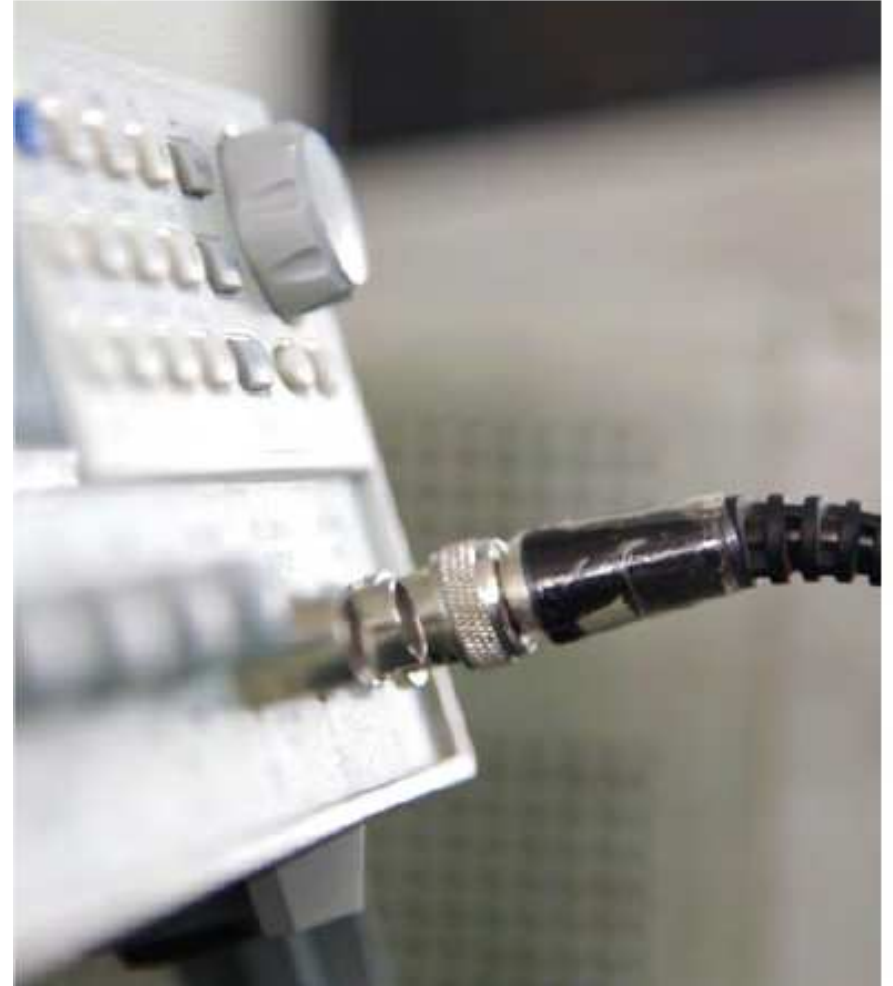
Zeeshan Afzal

Lecturer

Syed Sibte Hassan

Lecturer

M.Sc Mathematics
B.Sc Mathematics (PU Lahore)



Bachelor of Science in MECHANICAL TECHNOLOGY (BS-TECH MECHANICAL)

INTRODUCTION

The mechanical development and progress of a country are directly proportional to the well being and living standard of a society. With the ever increasing complexity of technologies, the present world is facing an acute shortage of able technicians.

The BSc Tech Mechanical provides a sound grounding in the principles and fundamentals of mechanics through practical work and problem solving activities. We provide our students a blend of technical and managerial skills coupled with tips for maximum effectiveness in mechanical productivity. This added skill has certainly enhanced the confidence level of our students.

Career PROSPECTS

This course is designed to prepare students for a career as chartered technologists within a broad range of mechanical and manufacturing industries, as well as covering areas as diverse as robotics and the health care environment. Employers of our graduates include highly specialist analysis consultancy services, small enterprise companies, large utilities and large volume manufacturers.

Course FACTS

Program Length

Full-time, 4 Years

Entry Requirements

2nd Division, F.Sc (Pre-Engg.) / DAE (Mechanical) ICS (Math, Phy.) / FA (Math, Phy.)

Location

Raiwind Road Campus

Recognised BY

Higher Education Commission

Road MAP

Semester 1	Cr Hr	Semester 2	Cr Hr	Semester 3	Cr Hr	Semester 4	Cr Hr
English Comprehension	3	Communication Skills	3	Applied Mathematics III	3	Industrial Electronics	3
Engineering Drawing I	3	Engineering Drawing II	3	Computer Programming	3	Mechanics of Machines I	3
Applied Chemistry	3	Applied Mechanics	3	Industrial Materials	3	Fluid Mechanics	3
Applied Physics	3	Applied Thermodynamics	3	Auto Cad	3	Applied Mathematics IV	3
Applied Mathematics I	3	Applied Mathematics II	3	Mechanics of Materials	3	Machining Process	3



Semester 5	Cr Hr	Semester 6	Cr Hr	Semester 7	Cr Hr	Semester 8	Cr Hr
Engineering Economics	3	Hydraulic Machinery	3	Material Handling	3	Heat Transfer	3
Machine Design II	3	Introduction to Mechatronics	3	Metal Cutting & Machinery Tools	3	Power Plant Engineering & Energy Resources	3
Advance Thermodynamics	3	Installation Testing & Maintenance of Machine	3	IC Engines	3	Environmental Technology for Industries	3
Mechanical Vibration	3	Refrigeration & Air Conditioning	3	Automation & Control	3	Islamic & Pak Studies	3
Industrial Management	3	Quality Control & Assurance	3	Project	3	Occupational Health Safety & Environment	3

Bachelor of Science in CIVIL TECHNOLOGY (BS-TECH CIVIL)

INTRODUCTION

The Department of Technology in The University of Lahore is offering a BSc Technology Civil Programme. The main emphasis of this programme is to provide the students with a basic grounding of mathematics and other sciences and to utilise them in solving problems of Structure, Hydraulics, Geotech, Highways and environmental engineering. Also to know about the operation and maintenance of Civil Engineering projects. It gives students on-the-job training to enable them to work independently on projects and to arrange and organize all repairs, set up tools, machines and other equipment required for Civil Engineering works.

Career PROSPECTS

BSc-Tech students are trained as technologists to face all the challenges of industry. The students are provided basic techniques, skills and use of modern tools as technologists in the projects. They are in a position to utilise their knowledge in modern surveying methods for land measurement, construction layouts and to prepare design documents. These are considered the most important components of construction technology.

Course FACTS

Program Length

Full-time, 4 Years

Entry Requirements

2nd Division, F.Sc (Pre-Engg.) / DAE (Civil), ICS (Math, Phy.) / FA (Math)

Location

Raiwind Road Campus

Recognised BY

Higher Education Commission

Road MAP

Semester 1	Cr Hr	Semester 2	Cr Hr	Semester 3	Cr Hr	Semester 4	Cr Hr
Computer Applications I	3	Applied Mathematics II	3	Repair & Maintenance of Structures	3	Structural Mechanics	3
Materials & Methods of Construction	3	Engineering Geology	3	Fluid Mechanics	4	Soil Mechanics	3
Engineering Drawing	3	Communication Skills	3	Applied Mathematics III	3	Applied Mathematics IV	3
English Comprehension	3	Mechanics of Materials	4	Islamic / Pak. Studies	3	Cost Estimates & Contract Documents	3
Applied Mathematics I	3	Construction Surveying	4	Computer Programming	3	Technical Report	3



Semester 5	Cr Hr	Semester 6	Cr Hr	Semester 7	Cr Hr	Semester 8	Cr Hr
Water Supply & Waste Management	3	Hydrology	4	Irrigation & Hydraulic Structures	4	Traffic Engineering	3
Steel Structures	3	Engineering Economics	3	Total Quality Management	3	Foundation & Pavement Technology	4
Application of GIS in Civil Technology	3	Architecture & Town Planning	3	Pre Stressed & Pre Cast Concrete Technology	4	Computer Aided Analysis & Design	3
Concrete Technology I	3	Concrete Technology II	3	Highway & Transportation Technology	4	Training Programme II	4
Environment Management	3	Project Management	3	Final Year Project	3		

Bachelor of Science in ELECTRICAL TECHNOLOGY (BS-TECHELECTRICAL)

INTRODUCTION

The undergraduate BSc-Tech Electrical program is based on a solid foundation in mathematics, physical sciences, computer programming and electrical power courses to ensure a successful completion of the program and to equip students with the ability to grow as professionals, rational reasoning and analytical skills. The program provides a broad technological core competence which enables students to communicate and interact effectively with engineers in different areas of specialization and to make technical decisions with confidence.

On successful completion of the programme, the student

will possess the ability to perform integrated problem solving, problem identification, analysis, hypothesis testing, solution verification and its implementation.

Career PROSPECTS

This program is designed to prepare our students for a career as a technologist. It is suited to those wishing to pursue a career in the communication and power industries, power system and electric drives. In addition to the technical and practical expertise that students will gain from electrical technology, students will discover that our degrees are designed to provide opportunities to learn and develop transferable skills.

Electrical Technologists are in demand with employers within Pakistan and overseas. Within electrical technology, the main employment areas include Electrical Power Generation Supply and Distribution, Power Systems, Installation and Design of Electrical Machinery and Communication / Mobile companies, Internet Service Providers, Network Operators, TV channels, Radio channels, Research and Development organisations, Inspection and Testing, Quality Control, Instrumentation & Control, Automation industries.

Course FACTS

Program Length

Full-time, 4 Years

Entry Requirements

2nd Division, F.Sc (Pre-Engg.) / DAE (Electrical) / ICS (Math, Phy.) / FA (Math, Phy.)

Location

Raiwind Road Campus

Recognised BY

Higher Education Commission



Road MAP

Semester 1	Cr Hr	Semester 2	Cr Hr	Semester 3	Cr Hr	Semester 4	Cr Hr
Applied Calculus	3	Linear Algebra & Differential Equations	3	Complex Variables & Transforms	3	Solid State Geometry & Multivariate Calculus	3
Computer Fundamentals	3	Network Analysis I	3	Computer Programming	3	Microprocessor Theory & Interfacing	3
Linear Circuit Analysis	3	Engineering Drawing	3	Digital Electronics	4	Electronics Devices & Circuits	3
Applied Physics	3	Basic Mechanical Technology	3	Network Analysis II	3	Measuring Instruments & Measurements	3
English Comprehension	3	Communication Skills	3	Introduction to Solid State Devices	3	Hydraulic & Hydraulic Machine	3

Semester 5	Cr Hr	Semester 6	Cr Hr	Semester 7	Cr Hr	Semester 8	Cr Hr
Data & Computer Communication	3	Communication Systems I	3	Communication System II	3	Substation Technology	3
Electromagnetic Field	3	Industrial Electronics	3	Power Electronics	4	Control Technology	4
Advance Electronics	3	Power Transmission & Distribution	3	Switch Gear & Protective Devices	3	Engineering Economics	3
Power Generation & Utilization	3	Total Quality Management	3	High Voltage Technology	3	Training Programme II	4
Electrical Machines	4	Occupational Health Safety & Environment	3	Final Year Project	3		

Faculty of
**INFORMATION
TECHNOLOGY**

COMPUTER
SCIENCE &
INFORMATION
TECHNOLOGY

ELECTRONICS



Department of **COMPUTER SCIENCE & INFORMATION TECHNOLOGY**

Faculty of Information Technology

Mission STATEMENT

Our mission is to provide outstanding education to its undergraduate and graduate students in accordance with the principles of the University mission. We strive for excellence in creating, applying, and imparting knowledge in Computer Science & Information Technology through comprehensive educational programs and research based teaching. We expect our graduates to provide a service to professional societies, the community, & the nation.

INTRODUCTION

Our department is committed to offer high-tech courses with research based teaching. We believe that our well-structured and carefully planned courses enable students to improve their skills and places them in competitive positions in the market. Moreover, we believe that students acquire true knowledge with intelligence which gives them

technical challenges at national & international level. Our curriculum focuses on computational thinking, examining the strengths and limitations of computers in terms of what can be computed, developing programming knowledge & skills and enhancing the understanding of computer based problem solving techniques. Secondly, we are very close to achieving our goal towards the establishment of a research centre for PhD students at our department. The initial areas of research are Artificial Intelligence / Combinatorial Optimization, Data Mining and Software Engineering but more topics will be added as we go along. The future of this centre will be in promoting novel research areas and enabling postgraduate students to prove their effectiveness in academia and industries. We make sure that our students have acquired the necessary skills and knowledge to produce computer-based optimal solutions to problems from areas such as Computer Science, Artificial Intelligence, Management, Engineering, Telecommunication, Net working, Transportation etc.

Courses OFFERED

**Bachelor of Science in
Computer Science
(BSCS)**

**Master in Computer Science
(MCS)**

**Master in Science and
Information Technology
(MSc-IT)**

**Master of Science in
Computer Science
(MScS)**



HANDS ON
TECHNICAL
EXPERIENCE



OUR FACULTY

Dr. Zahid Hussain

Professor

Post-Doctoral Fellowship Leeds University, UK
PhD (Computer Science) University of Huddersfield, UK
M.Sc.(Embedded Systems Engineering) University of Huddersfield, UK
M.Sc.(Computer Science) UET, Lhr
BSc. (Math. & stat.) Govt. College, Sahiwal - Pakistan

Dr. Muhammad Salman Khan

Assistant Professor

Ph.D. in Computer Science Graz University of Technology, Austria
M.Sc. in Computer Science University of the Punjab

Naveed Ahmed Khan

Assistant Professor

PhD (in progress) University of Central Punjab (UCP)
MScS University of Management Technology (UMT)
MCS Hamdard University Karachi

Sikandar Shujah Toor

Assistant Professor

MSc Computer Science Quaid-e-Azam University, Islamabad
MBA Industrial Management Pacific State University, Los Angeles, CA, USA
Software Project Management FAST-NU, Lahore

Yasir Mahmood

Assistant Professor

Science (UCP) Lahore Pakistan
Masters of Business Administration (MBA)
Human Resource Management (HRM) University of Pelita Harapan (UPH) Jakarta, Indonesia
BCS-Hons, PICS - Lahore

Muhammad Tayyab

Lecturer

BSCS, UCP, Lahore, Pakistan
M.Sc. Computational Logic Dresden University of Technology, Dresden, Germany

Hamna Malik

Lecturer

Bachelors of Science in Computer Science (BSCS) Lahore College for Women University, Lahore
Masters of Science in Computer Science (MS-CS) Lahore College for Women University, Lahore

Toqir Ahmad Rana

Lecturer

MScS, UCP, Lahore
BSCS, UCP, Lahore

Hashim Awais Butt

Lecturer

Master of Business Administration (MBA) University of Central Punjab (UCP) (B. Com) Punjab University

Muhammad Ijaz Nazir Mehr

Lecturer

BSCS, Institute of Management Sciences (Pak-Aims), Lahore.

Atif Ikram

Lecturer

M.S (Quality Management) Superior University, Lahore
M.S (Computer Science) University of South Asia, Lahore
B.S. (Computer Science) University of South Asia, Lahore

Khuram Shahzad

Lecturer

BS-CS Hamdard University Karachi, Fsd Campus, MS- CS National University FAST, Lahore

Abdul Wahab

Lecturer

BSCS University of Central Punjab
MScS University of Central Punjab

Muhammad Saeed Akhtar

Lecturer

MScS The University of Lahore, Lahore
BSCS AIOU Islamabad,

Muhammad Waseem Iqbal

Lecturer

MSc Computer Science Punjab University BSc Islamia University Bahawalpur

Shahid Yousaf

Lecturer

MScS University of Central Punjab, Lahore
BSCS University of Central Punjab, Lahore

Shoukat Ali

Lecturer

and Technology
BS(CS) National University Of Computer and Emerging Sciences

Beenish Abid

Lecturer

BSc Computer Engineering UET Lahore

Muhammad Bilal Masood

Lecturer

M. Phil (Mathematics) University of Engineering and Technology, Lahore
M.Sc. (Mathematics) University of Engineering and Technology, Lahore
B. Sc. (Mathematics) Govt. College of Science, Lahore.

Hafiz Mutee Ur Rehman

Lecturer

MS (Mathematics) University of the Punjab, Lahore.
BS (Mathematics) University of the Punjab, Lahore.

Nadia Mushtaq

Junior Lecturer

BSc (Hons.) Computer Science Govt. College University Of Lahore

Sadia Kanwal

Lecturer

M.A (Eng.) B Z U, Multan.
B.Ed. University of Education, Lahore.
B.A B Z, Multan.

Sadaf Abrar

Lecturer

M.A (ELTL) University of Lahore
M.A Social work University of Peshawar
BSc. College of Home economics

Muhammad Adrees

Lecturer

MS Networks University of Sunderland, England.
MCS University of Management and Technology (UMT)
Graduation University of Punjab

Adeel Ashraf Cheema

Lecturer

MS (Computer Sciences) NUCES-FAST Islamabad
BS (Computer Sciences) International Islamic University Islamabad

Muhammad Aqeel

Lecturer

M.Sc in Electrical and Electronics Engineering, University of Bradford, UK
Bachelor in Computer System Engineering, GIKI

Imran Hashim

Lecturer

MSc (Mathematics) University of The Punjab, Lahore
BSc (Mathematics Physics) F.C.C Lahore

Iram Noreen

Lecturer

MScS (Software Engineering) LCWU (Lahore College for Women University)

Muhammad Nadeem

Lecturer

MSc. Computer Science, PU Lahore
BSc Double Computer & Math, BZU Multan

Usman Javed

Lecturer

M. Phil (Mathematics) University of Engineering and Technology, Lahore
M.Sc. (Mathematics) UET, Lahore
B. Sc. (Mathematics) Govt. Islamia College Civil Lines Lahore

Ayesha Khalid

Lecturer

M.Phil. (Applied Linguistics) Minhaj International University
M.A (English Literature) Punjab University PGD (English Language and Teaching) PU B.ED Allama Iqbal Open University B.A Queen Mary College (PU)

Muhammad Sohail Saqib

Junior Lecturer

BIT - NUST, Islamabad

Bachelor of Science in COMPUTER SCIENCE (BSCS)

INTRODUCTION

The Bachelor of Science in Computer Science is the first professional degree aimed at producing undergraduates for the job market as Software Engineers, IT Administrators, entrepreneurs, academic professionals and the like. This programme is tailored to introduce, prepare, develop and ingrain the understanding and discipline of computing in students. We offer market oriented courses (as indicated in the programme course description) to achieve the objective of producing highly talented computer professionals. Our programme inculcates in the students problem-solving abilities for industrial and government sectors. It enables students to

analyse real life problems and transform them into a suitable abstract model, design an optimal algorithm and successfully implement them on the computer.

Career PROSPECTS

The typical jobs for BSc Computer Science graduates include software engineering, database design and administration, web development, quality assurance and testing, IT consultants and computer professionals in the entertainment industry and in a variety of government or private organizations.

Course FACTS

Program Length

Full-time, 4 Years

Entry Requirements

Intermediate, FA / FSc / ICS / I.Com, A-Levels, DAE or equivalent (Minimum 45%)

Location

Defence Road Campus

Recognised BY

Higher Education Commission

Road MAP

Semester 1	Cr Hr	Semester 2	Cr Hr	Semester 3	Cr Hr	Semester 4	Cr Hr
Introduction to Computing	4	University Elective-I	3	Digital Logic and Design	3	Operating Systems	4
Programming Fundamentals	4	CS Elective-I	3	Object Oriented Programming	3	Data Structures and Algorithms	3
Calculus and Analytical Geometry	3	CS Elective-II	3	Probability and Statistics	3	Introduction to Software Engineering	3
English-I (Functional English)	3	Multivariable Calculus	3	English-III (Communication Skills)	3	Computer Organization and Assembly Language	3
		English-II (Technical and Report Writing)	3	Electromagnetism	3	Linear Algebra	3

COURSES

CORE COURSES

- Introduction to Computing
- Programming Fundamentals
- Calculus and Analytical Geometry
- English-I (Functional English)
- Multivariable Calculus
- English-II (Technical and Report Writing)
- Digital Logic and Design
- Object Oriented Programming
- Probability and Statistics
- English-III (Communication Skills)
- Electromagnetism
- Discrete Structures
- Operating Systems
- Data Structures and Algorithms
- Introduction to Software Engineering
- Computer Organization and Assembly Language
- Computer Communication and Networks
- Theory of Automata & Formal Languages
- Introduction to Database Systems
- Differential Equations
- Computer Architecture
- Compiler Construction
- Design and Analysis of Algorithm
- Numerical Computing
- Human Computer Interaction
- Software Design Project
- Professional Practices
- Pakistan Studies and Islamic Studies

- Linear Algebra
- Artificial Intelligence

ELECTIVE COURSES

- Computing II
- Programming Fundamentals II
- Web programming
- Software Testing and Implementation
- Introduction to Heuristic Technique
- Distributed Database Systems
- Human Resource Management
- Database Operations and Maintenance
- Software Project Management
- Mobile Application Development
- Java Software Paradigm
- Software Quality Management
- Prolog

Semester 5	Cr Hr	Semester 6	Cr Hr	Semester 7	Cr Hr	Semester 8	Cr Hr
Computer Communication and Networks	3	Compiler Construction	3	Software Design Project	6	University Elective-III	3
Theory of Automata & Formal Languages	3	CSElective-V	3	Professional Practices	3	CSElective-VIII	3
CS Elective-IV	3	Numerical Computing	3	University Elective-II	3	Pakistan Studies and Islamic Studies	3
Introduction to Database Systems	4	Human Computer Interaction	3	CSElective-VII	3	University Elective-IV	3
Differential Equations	3	CSElective VI	3	Artificial Intelligence	3		

Master in COMPUTER SCIENCE (MCS)

INTRODUCTION

This programme is designed to produce graduates with specialised training in the core subjects of computer science. These specialised fields include software engineering, database, design & analysis of algorithms, artificial intelligence, web development and networking. The graduates are skilled to identify the computing needs of society and supply effective and optimal solutions for them. Successful graduates of this program who wish to pursue their careers in academia can join the MSc program. Those preferring to join industry will possess sufficient knowledge and skills which will enable them to compete for any such positions available in government and private sector organizations.

Career PROSPECTS

Job opportunities for our graduates vary. They may work as software engineers, systems analysts, database designers and administrator, network analyst and administrators, e-commerce & web developers and IT consultants in various government or private organizations.

Course FACTS

Program Length

Full-time, 2 Years

Entry Requirements

Bachelors with 14 Years Education, BA / B. Com / BSc or equivalent (Minimum 45%)

Location

Defence Road Campus

Recognised BY

Higher Education Commission

Road MAP

Semester 1	Cr Hr	Semester 2	Cr Hr	Semester 3	Cr Hr	Semester 4	Cr Hr
Fundamentals of Algorithms	3	ObjectOriented Programming	3	Advanced Object Oriented Programming	3	System Programming	3
Introduction to Computer Programming	3	Data Structures & Analysis of Algorithms	3	Operating System	3	Programming Languages Concept	3
Database Systems	3	TheoryofAutomata	3	Computer Networks	3	Artificial Intelligence	3
English Comprehension	3	Computer Organization & Assembly	3	Distributed Database Systems	3	Compiler Construction	3
Discrete Structures	3	Visual Programming	3	AdvancedSoftware Engineering	3	Final project	6

COURSES

CORE COURSES

- Fundamentals of Algorithms
- Introduction to Computer Programming
- Database Systems
- English Comprehension
- Discrete Structures
- Web Programming
- Object Oriented Programming
- Data Structures & Analysis of Algorithms
- Theory of Automata
- Computer Organization & Assembly
- Visual Programming
- Software Engineering
- Advanced Object Oriented Programming
- Operating System
- Computer Networks
- Distributed Database Systems
- Advanced Software Engineering
- Computer Architecture
- System Programming
- Programming Languages Concept
- Artificial Intelligence
- Compiler Construction
- Final project



STATE OF THE ART
COMPUTER
LABS

Master of Science in INFORMATION TECHNOLOGY (MSc-IT)

INTRODUCTION

This program is designed to produce graduates with specialised training in different fields of Information Technology.

The graduating student shall possess knowledge including the technical, business and communication skills necessary to succeed in his or her professional life. The program's concentration is on the development of theoretical and practical technological skills necessary for the student to conduct information systems analysis, design and development through the use of modern development tools. The graduate's technical background is a balanced mix of basic business knowledge along with detailed knowledge

of Information Technology which shall enable him or her to succeed in any business or government organisations.

Career PROSPECTS

Typical careers for these graduates could be IT Managers, systems & business analysts, database designers & administrator, network analysts & administrators, e-commerce & web development and IT consultants in a variety of business or government organizations.

Course FACTS

Program Length

Full-Time, 2 Years

Entry Requirements

Bachelors with 14 Years Education, BA / B. Com / BSc or equivalent (Minimum 45%)

Location

Defence Road Campus

Recognised BY

Higher Education Commission

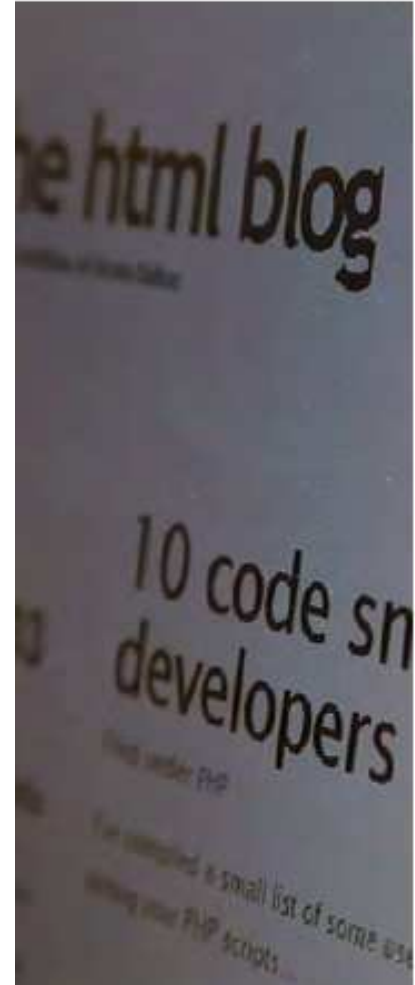
Road MAP

Semester 1	Cr Hr	Semester 2	Cr Hr	Semester 3	Cr Hr	Semester 4	Cr Hr
Fundamentals of Algorithms	3	ObjectOriented Programming	3	Data Communication	3	Computer Networks	3
Introduction to Computer Programming	3	Data Structures & Analysis of Algorithms	3	Operating System	3	Human Resource Management	3
Database Systems	3	TheoryofAutomata	3	Principles of Marketing	3	Organizational Behaviour	3
English Comprehension	3	Distributed Database Systems	3	Principles of Management	3	Management Information System	3
Software Engineering	3	Visual Programming	3	Principles of Accounting	3	Final project	6
Web Programming	3	Electronic Commerce	3	Computer Architecture	3		

COURSES

CORE COURSES

- Fundamentals of Algorithms
- Introduction to Computer Programming
- Database Systems
- English Comprehension
- Software Engineering
- Web Programming
- Object Oriented Programming
- Data Structures & Analysis of Algorithms
- Theory of Automata
- Distributed Database Systems
- Visual Programming
- Electronic Commerce
- Data Communication
- Operating System
- Principles of Marketing
- Principles of Management
- Principles of Accounting
- Computer Architecture
- Computer Networks
- Human Resource Management
- Organizational Behaviour
- Management Information System
- Final project



Master of Science in COMPUTER SCIENCE (MScS)

INTRODUCTION

This program is designed to produce graduates with specialised knowledge in Computer Science. Therefore the masters programme in Advanced Computer Sciences cover the major topics in Computer Science. The course work is the right mix of theoretical and practical work aimed at providing its graduates the necessary skills in Computer Sciences to excel in their professional lives. It is our mission that the department serve a wide stream of students, which will undoubtedly be arriving with varying backgrounds and objectives. For this reason, the programme proposed herein has been stretched out to cover most of the important areas of computer science including Software Engineering, Computer Networks, Database Systems, Advanced Algorithms, Programming Languages, Computer Graphics, Artificial Intelligence and Research Methodologies.

Career PROSPECTS

The successful graduates have the option of serving in industry as well as joining academia. While in academia they can transfer their knowledge to youngsters and continue their studies towards a PhD degree. They can also become a useful resource for industry as software engineers, database administrators and designers, e-commerce specialists, network specialists, and software project managers

Course FACTS

Program Length
Full-Time, 2 Years

Entry Requirements
BScCS (min 130 credit Hours), MCS, MSc-IT, MSc (CS), Masters with 16 Years Science Education, BCS-3 year degree program (complete the deficiency of difference of total earned credit hours and 130 Cr. Hrs.)Equivalent (2.5 CGPA & GAT General)

Location
Defence Road Campus

Recognised BY

Higher Education Commission

Road MAP

Semester 1	Cr Hr	Semester 2	Cr Hr	Semester 3	Cr Hr	Semester 4	Cr Hr
Advanced Algorithm Analysis	3	Research Methods	3	Elective – I	3	Elective – II	3
Advanced Software Engineering	3	Advanced Operating Systems	3	thesis – I	3	Thesis – II	6
Advanced Computer		Advanced Theory of					

COURSES

CORE COURSES

- Advanced Algorithm Analysis
- Advanced Software Engineering
- Advanced Computer Architecture
- Research Methods
- Advanced Operating Systems
- Advanced Theory of Computation
- Thesis – I
- Thesis – II

ELECTIVE COURSES

- Software System Design & Architecture
- Topics in Software Engineering
- Object Oriented Software Engineering
- Software Quality Assurance
- Advance Computer Networks
- Network Security & Cryptography
- Internet Technologies & Protocols
- Advanced Databases
- Object Oriented Databases
- Data Mining



Department of **ELECTRONICS**

Faculty of Information Technology

Mission STATEMENT

In partnership with our students, the mission of our department is to:

Provide quality course and lab work that meets international educational standards.

Provide an environment where students feel free to gain knowledge without gender and racial discrimination under the umbrella of the ethics of Islam.

Critically examine and refine knowledge to transfer it in practice through electronics and electrical systems.

Provide a learning environment that motivates students for research and development (R&D).

INTRODUCTION

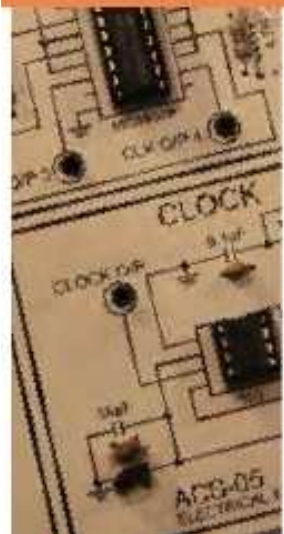
This Department is one of the primary departments of the University of Lahore. Its initial setup was laid when this University opened its gates for students to learn & grow.

The course work here is based upon the latest technologies and learning tools. Students are directed towards research and innovation. Our top-notch faculty is well-versed in their respective fields and our teaching methods comply with international standards.

Courses OFFERED

Bachelor of Science in Electronics & Electrical Systems (BSEES)

Master of Science in Electronics & Electrical Systems (MSEES)



OUR FACULTY

Waseem Nazar

Assistant Professor (Acting Head of Department)

MS Computer Science
MBA, MS Electronics & Communication
(Course work completed)
BS Electrical & Electronic Engineering
BSc Technical Education (Power System)
BSc Physics, Math

Aftab Farrukh

Lecturer

M.Phil. (Microelectronic Engineering & Semiconductor Physics)
MSc Applied Physics

MS Amber Sultan

Lecturer

M.Phil. (Microelectronic Engineering & Semiconductor Physics)
MSc Applied Physics

MS Amber Sultan

Lecturer

MS Telecom Engineering
BS Electronics & Communication

Syed Baqar Hussain

Lecturer

MS Telecom Engineering
BS Electronics & Communication

MS Ayesha Tariq

Lecturer

MSc Wireless Networks

Ashfaq Ahmad

Lecturer

MS Electronics & Communication
BS Electronics & Communication

Asim Anwar

Lecturer

M.Phil. Electronics
MSc Electronics

MS Kiran Fatima

Lecturer

MS Electrical Engineering
BS Telecom Engineering

Asim Maqsood

Lecturer

MS Electronics & Communication (in progress)
BS Electronics & Communication

Muhammad Aamer

Lecturer

MS Computer Engineering (In progress)
BS Computer Engineering

Abdul Malik

Lecturer

MS Computer Engineering (In progress)
BS Computer Engineering

Hafiz Kashif Iqbal

Lecturer

MS Electrical Engineering (In progress)
BSc Electronics Engineering

Muhammad Fawad Baig

MS Electrical Engineering (In progress)
BS Electrical Engineering

Ali Salman Rana

Lecturer

MS Electrical Engineering (In progress)
BS Electrical Engineering

Saqib Maqbool

Lecturer

MS Computer Engineering (In progress)
BS Electrical Engineering

Bilal Naseer

Lecturer

MS Electrical Engineering (In progress)
BS Electrical Engineering

Ghulam Shabbir

Lecturer

Computer Engineering (In progress)
BE Electronic Engineering

Salman Siddiq

Lecturer

BS Industrial & Manufacturing Engineering

Asim Mukhtar

Lecturer

MS Electrical Engineering (In progress)
BS Electrical Engineering

Ameer Ahmed

(In progress)
BSc Electrical Engineering

Hammad Rashid

Lecturer

BSc Electrical Engineering

Asma Rafique

Lecturer

BBA (Hons)

Bilal Naseer

Lecturer

MS Electrical Engineering (In progress)
BS Electrical Engineering

Salman Mazhar

Lecturer

BSc Electrical Engineering

Imran ul Hassan

Lecturer

BS Electrical Engineering

Hasan Rafiq

Lecturer

BS Electrical Engineering

Muhamad Ather

Lab Engineer

BS Electrical Engineering

Mohsin Anwar

Lab Engineer

BS Electronics & Communication

Muhammad Wajahat Hassan

Lab Engineer

BS Electronics & Communication



Bachelor of Science in ELECTRONICS & ELECTRICAL SYSTEMS (BSEES)

INTRODUCTION

In order to keep pace with the rapid changes in an ever-growing industry, this program is designed to equip students with state-of-art skills. The program also enables students to understand the basic concepts and to handle practical issues in related fields through comprehensive teaching based on solving open ended problems using software as well as hardware experiments in the lab.

The Department has qualified and skilled permanent faculty and fully equipped laboratories.

Career PROSPECTS

After completion of this degree program the graduating students could develop careers in communication technology, electronics, automation, power systems or even in RF engineering.

Course FACTS

Program Length

Full-time, 4 Years

Entry Requirements

45% marks in FS.c, ICS, DAE (Electronics, Electrical), A-Level, and Intermediate or equivalent degree

Location

Raiwind Road Campus

Recognised BY

Higher Education Commission

Road MAP

Semester 1	Cr Hr	Semester 2	Cr Hr	Semester 3	Cr Hr	Semester 4	Cr Hr
Calculus	4	Linear Algebra and Differential Equations	4	Data Structures	4	Instrumentation & Measurement	4
Circuit Analysis-I	4	Mechanics	4	Complex Variables And Transforms	4	Introduction to Electrical Machines	4
Introduction to Computing	4	Introduction to Solid State Devices	3	Circuit Analysis II	4	Microprocessor & Computer Architecture	3
Communication Skills	3	Computer Programming	4	Digital Logic Design	4	Multivariate Calculus	4
Islamic and Pakistan Studies	3	Computer Aided Drawing	2	Economics	3	Signals and Systems	4
				Electrical Engineering	1		

COURSES

CORE COURSES

- Calculus
- Circuit Analysis - I
- Introduction to Computing
- Communication Skills
- Islamic and Pakistan Studies
- Linear Algebra & Differential Equations
- Mechanics
- Introduction to Solid State Devices
- Computer Programming
- Computer Aided Drawing
- Data Structures
- Complex Variables And Transforms
- Circuit Analysis II
- Digital Logic Design
- Economics
- Electrical Engineering Workshop
- Instrumentation And Measurement
- Introduction to Electrical Machines
- Microprocessor & Computer Architecture
- Multivariate Calculus
- Signals and Systems
- Electromagnetic Field Theory
- Microelectronics I
- Microprocessor Based Embedded

- Systems
- Numerical Analysis
- Probability and Stochastic Processes
- Business Management
- Communication Systems I
- Data and Computer Communication
- Digital Signal Processing
- Microelectronics II
- Power Electronics
- Control Systems
- Digital System Design
- ECE Design Project

- Mobile Communication
- Wireless Communication
- Advanced Network
- Embedded System Design
- Laser & Applied Optics
- Optical Fiber Communication
- Telecom System Analysis & Design
- Antenna Engineering
- Electromagnetic Compatibility
- Microwave Engineering I
- Microwave Engineering II

ELECTIVE COURSES (POWER SYSTEMS)

- Power Systems
- Power System Protection
- Power System Analysis
- Power Plants
- High Voltage Engineering
- Applied Thermodynamics

ELECTIVE COURSES (COMMUNICATION)

- Digital Communication
- Telecom Switching
- Introduction to Telecom Systems

Semester 5	Cr Hr	Semester 6	Cr Hr	Semester 7	Cr Hr	Semester 8	Cr Hr
Electromagnetic Field Theory	3	Business Management	3	Power Electronics	4	ECE Design Project	6
Microelectronics I	4	Communication Systems I	3	Control Systems	4	Technical Elective	3
Microprocessor Based Embedded Systems	4	Data and Computer Communication	3	Digital System Design	2	Technical Elective	3
Numerical Analysis	3	Digital Signal Processing	4	Technical Elective	3	Technical Elective	3
Probability and Stochastic Processes	3	Microelectronics II	4				

Master of Science in ELECTRONICS & ELECTRICAL SYSTEMS (MSEES)

INTRODUCTION

The MSEES program offered at the University of Lahore has been designed for professionals working in the industry willing to enhance their technical skills and knowledge for career advancement. It prepares individuals to apply advanced Mathematical and Scientific principles to the design, development and operational evaluation of electronics and communication systems. The degree program focuses on developing the skills required to design electronics & communication solutions that meet industrial, military and international technical standards. Students are required to design,

manufacture and deliver a working product that meets these industry standards.

Career PROSPECTS

After completing the degree, students can work with Mobile Services Providers, Internet Service Providers, Network Operators, R.F Planning and Optimisation, TV Channels, Research and Development Organisations.

Course FACTS

Program Length

Full-time, 2 Years

Entry Requirements

BS Electronics/BSEES/BS Telecom/ M.Sc. Physics/ B.Tech (Hons)/BS Computer Science. HEC recognized University min 2.5 CGPA or 60% marks (Annual system). Interview & Entry Test & GAT arranged by NTS

Location

Raiwind Road Campus

Recognised BY

Higher Education Commission



COURSES

COMMUNICATION SPECIALIZATION

Core Courses	Cr Hr	Elective Course	Cr Hr
Mathematical Methods for Engineers	3	Advanced Communication Networks	3
Stochastic Processes	3	Telecom Networks Planning and Economics	3
Digital Communication System	3	Next Generation Networks	3
Advanced Digital Signal Processing	3	Information Theory & Source Coding	3
Research Thesis	6	Communication Methods for Engineers	3

HIGH FREQUENCY ELECTRONICS DESIGN SPECIALIZATION

Core Courses	Cr Hr	Elective Course	Cr Hr
Mathematical Methods for Engineers	3	Advanced Engineering Electro Dynamics	3
Analysis And Design of Rf Circuits And Systems	3	Stochastic Processes	3
Non Linear Microwave and Rf Circuits	3	Theory And Design Of Microwave Filters	3
Antenna Theory And Design	3	Fundamentals of Radar Signal Processing	3
Research Thesis	6	Electromagnetic Compatibility	3

POWER SYSTEMS SPECIALIZATION

Core Courses	Cr Hr	Elective Course	Cr Hr
Power Circuit Breakers and Substations	3	Advanced High Voltage Engineering	3
Power System Quality, Reliability and Planning	3	Transients In Power	3
Advanced Power System Protection	3	Insulation Coordination	3
Mathematical Methods for Engineers	3	Communication Systems	3
Research Thesis	6	Load Flow Stability Analysis	3



Faculty of
SCIENCE

INSTITUTE OF
MOLECULAR
BIOLOGY &
BIOTECHNOLOGY

CENTRE FOR
RESEARCH IN
MOLECULAR
MEDICINE

PHARMACY



Institute of MOLECULAR BIOLOGY & BIOTECHNOLOGY

Faculty of Science

Mission STATEMENT

IMBB & CRiMM have been especially developed to provide facilities for teaching & research at the frontier of knowledge to students from all rungs of society without any distinction of caste, color & creed or financial status. Our Mission is to promote learning for the development of innovative techniques, creation of knowledge & gainful employment in market. Along with this we provide a congenial atmosphere for the promotion of the co-curricular abilities of students.

INTRODUCTION

IMBB was established in the year 2004. It offers undergraduate and graduate degree programs in the subjects of Biochemistry, Molecular Biology, Physiology, Biotechnology, Microbiology and Environmental Science. It is the first Institute of its kind in the private sector. The curricula for the degree program are designed to prepare the manpower needed for the economic development of the country. IMBB employs highly

of curricula. The semiotic method is combined with interactive teaching to enhance the learning process. The major focus is to impart technologies which could be used gainfully by graduates for employment or for further education. Research programmes of the department are based on recent developments at the frontiers of knowledge. Some of the areas of research include: cell signaling in normal & in cancer cells, alternate remedies for the treatment of cancer (for example, natural products, micro RNAs & Oncolytic viruses among others) recombinant DNA technologies, metabolic disorders, cancer markers, genetic disorders, agri-technology, gene manipulation in plants, hydroponics, stress induced by various heavy metals in plants of economic importance, purification of proteins of economic importance and many related problems in areas of molecular endocrinology, clinical biochemistry & microbes of medical biology. Special MPhil programs in Biochemistry, Microbiology, Physiology & Ultra Sound Technology, especially designed for MBBS Doctors are also offered. These programs are

The Department encourages students through exhaustive studies to imbibe new knowledge in their fields of research. CRiMM & IMBB are issued with up-to-date equipment to undertake research for which the students opt in their 3rd & 4th semesters by HEC and PMDC. We are highly equipped with facilities for research students which enable them to produce high quality manpower in the field of molecular biology & biotechnology & all other fields.

Courses OFFERED

BS in Biochemistry, Biotechnology, Microbiology
Molecular Biology, Environmental sciences
MSc in Biochemistry, Biotechnology, Microbiology
Molecular Biology
M.Phil/MS in Biochemistry
Biotechnology, Microbiology, Molecular Biology, Environmental sciences
M.Phil leading to PhD in Biochemistry, Biotechnology, Microbiology, Molecular Biology, Physiology
PhD in Biochemistry, Biotechnology, Microbiology



HANDS ON
TECHNICAL
EXPERIENCE

OUR FACULTY

Prof.Dr.M.H.Qazi
Vice Chancellor ,UOL
Director, IMBB / CRIMM
PhD. Wisconsin, USA

Prof. Dr. Sh. Riaz ud Din
Professor, IMBB
PhD Biochemistry
University of Reading (UK)

Prof. Dr. Mushtaq A. Saleem
Professor, IMBB
PhD (PU), Post doc (UK)

Prof. Dr. AM Cheema
Professor, IMBB
PhD Physiology (UK)

Prof.Dr.Javed Mirza
Professor,IMBB
PhD (Aberdeen, UK), Post-doc
(Bologna, Italy)

Dr. Arif Malik
Associate Professor, IMBB
PhD, (Botany), UAF, Pakistan.

Mr. Shahzad Bhatti
Assistant Professor, IMBB
M.Phil (Molecular Biology), CEMB,
PU

Dr. Riffat Mehboob
Assistant Professor, IMBB
PhD Neuropathology

Dr. Naveed Wasif
Assistant Professor, IMBB
PhD. Molecular Biology, QU

Dr. Rana Amjad
Assistant Professor, IMBB
PhD. Molecular Biology, PU

Ms. Ruquyya Gul
Assistant Professor, IMBB
PhD (SBS,PU)

Mr. Imran Raiz Malik
Lecturer, IMBB
PhD(Molecular Biology),NBGE

Ms. Kalsoom
Assistant Professor, IMBB
M.Phil. (Biochemistry) UOL

MS. Farheen Ansary
Lecturer. IMBB
M.Phil. (Microbiology) Karachi
University

Ms. Neelam Saba
Lecturer. IMBB
MS (Biochemistry), PU

Ms. Ruqayya Suliman
Lecturer, IMBB
M.Phil. (Botany) PU

Mr. Khawar Ali Shahzad
Lecturer, IMBB
M.Phil. (Microbiology) UVAS

Mr. Sohail Mehmood
Lecturer, IMBB
M.Phil. (Biotechnology)NBGE

Ms. Uzma Sahar
Lecturer, IMBB
M.Phil. (Molecular Biology)

Ms Fozia Noreen
Lecturer, IMBB
M.Phil. (Microbiology) UVAS

Mr. Abid Sarwer
Lecturer, IMBB
M.Phil. Microbiology

Ms. Qurrat-ul-Ain Ahmad
Lecturer, IMBB
MS Biochemistry, PU

Ms. Ammarah Shahid Rizvi
Lecturer, IMBB
MPhil (Biotechnology), BZU,
Multan

Ms. Abeer Junjua
Lecturer, IMBB
M.Phil. (Biochemistry), PU

Ms. Kiran Butt
Lecturer, IMBB
M.SC Biochemistry, PU

Mr. Qadoos-ul-Haq Muqaddosi
Lecturer, IMBB
M.Phil. (Biotechnology) NIBGE,
PIEAS.

Ms Rabail Alam
Lecturer, IMBB
M.Sc (Biostatistics), PU

Ms. Asia Perveen
Lecturer, IMBB
M.Sc Biochemistry ,UAF

Ms. Amna Mehmood
Lecturer, IMBB
M.Sc (Biochemistry) UOL

Ms. Noureen Zahra
Lecturer, IMBB
M.Sc (Molecular Biology), UOL

Ms. Madiha Neelam
Lecturer, IMBB
MA (English),PU

Mr. Asif Saleem
Lecturer, IMBB
M.Phil. Botany

Mr. Muhammad Azam
Lecturer, IMBB
M.SC (Biochemistry), UOL



Bachelor of Science in BIOCHEMISTRY & BIOTECHNOLOGY (BBCH)

INTRODUCTION

The program after completion is equivalent to an MSc since the degree is awarded on successful completion of 16 years of education after Higher Secondary School Education.

The Degree program fulfils all the curriculum requirements for BS Degree recommended by Higher Education Commission consisting of compulsory, core and allied courses.

The basic training of research work is also imparted.

Career PROSPECTS

Industrial, Agricultural, Educational, Research & Development and Health Organizations:

Course FACTS

Program Length

Full-time, 4 Years

Entry Requirements

12 years of education (Higher Secondary School Certificate/ Intermediate) with at least second Division

Location

Defence Road Campus

Recognised BY

Higher Education Commission

COURSES

- Introduction to Biochemistry
- Cell & Molecular Biology I
- Biochemistry of macromolecules
- Cell & Molecular Biology II
- Enzymology
- Plant Biochemistry
- Metabolism of nutrient
- Proteins Structure & Function
- Introductory Genetics
- Body homeostasis
- Membrane Biochemistry
- Microbial Biochemistry
- Neuromuscular physiology
- Body fluids and function
- Biochemistry of hormones
- Systemic Physiology
- Toxicology
- Immunochemistry
- Medical Biochemistry
- Expression and Transmission of Genetic Information
- Food Microbiology
- Physiology of peptide hormone
- Recombinant DNA Technology
- Stress physiology
- Environmental Biochemistry
- Techniques in Biochemistry
- Advances in Biochemistry
- Plant Cell & Tissue Culture
- Biostatistics
- Research Methodology
- Bioinformatics and System biology



Road MAP

Semester 1	Cr Hr	Semester 2	Cr Hr	Semester 3	Cr Hr	Semester 4	Cr Hr
Introduction to Biochemistry	4	Biochemistry of macromolecules	4	Plant Biochemistry	3	Body homeostasis	3
Cell & Molecular Biology I	3	Cell & Molecular Biology II	3	Metabolism of nutrient	3	Membrane Biochemistry	3
Introduction to Computers	3	Enzymology	3	Proteins Structure & Function	4	Microbial Biochemistry	4
Foundation of English	3	Biomathematics	3	Introductory Genetics	3	Neuromuscular physiology	4
Mathematics	3	English Technical Writing and comprehension	3	Communication Skill	3	Body fluids and function	3
Islamic Studies	2			Pakistan Studies	2		

Semester 5	Cr Hr	Semester 6	Cr Hr	Semester 7	Cr Hr	Semester 8	Cr Hr
Biochemistry of hormones	4	Expression and transmission of genetic information	3	Stress physiology	3	Advances in Biochemistry	4
Systemic Physiology	3	Food Microbiology	3	Environmental Biochemistry	3	Plant Cell & Tissue Culture	3
Toxicology	3	Physiology of peptide hormone	3	Techniques in Biochemistry	3	Bioinformatics and System biology	3
Immunochemistry	4	Recombinant DNA Technology	3	Research Methodology	3	Seminar on Review	1
Medical Biochemistry	3	Biostatistics	3	Special Problem	1	*Review Report	3
				*Review Report	2		

Bachelor of Science in MOLECULAR BIOLOGY & BIOTECHNOLOGY (BSML)

INTRODUCTION

The program after completion is equivalent to MSc since the degree is awarded on successful completion of 16 years of education after Higher Secondary School Education.

The Degree program fulfils all the curriculum requirements for a BS Degree recommended by the Higher Education Commission consisting of compulsory, core and allied courses. The basic training of research work is also imparted.

Career PROSPECTS

Industrial, Agricultural, Educational, Research & Development and Health Organizations.

Course FACTS

Program Length

Full-time, 4 Years

Entry Requirements

12 years of education (Higher Secondary School Certificate/ Intermediate) with at least second Division

Location

Defence Road Campus

Recognised BY

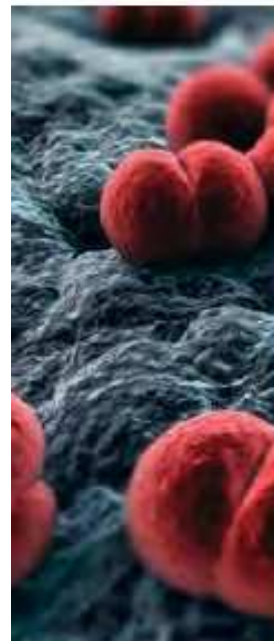
Higher Education Commission

Road MAP

Semester 1	Cr Hr	Semester 2	Cr Hr	Semester 3	Cr Hr	Semester 4	Cr Hr
Introduction to Biochemistry	4	Biochemistry of macromolecules	4	Fundamentals of Biotechnology	3	Molecular Genetics	3
Cell & Molecular Biology I	3	Cell & Molecular Biology II	3	General Microbiology	3	Membrane Biochemistry	3
Introduction to Computers	3	Enzymology	3	Protein Structure & Function	4	Microbial Biochemistry	4
Foundation of English	3	Biomathematics	3	Introductory genetics	3	Biological Diversity	4
Mathematics	3	English Technical Writing and Comprehension	3	Communication Skill	3	Body fluids and functions	3
Islamic Studies	2			Pakistan Studies	2		

COURSES

- Introduction to Biochemistry
- Cell & Molecular Biology I
- Introduction to Computers
- Biochemistry of Macromolecules
- Cell & Molecular Biology II
- Enzymology
- Fundamentals of Biotechnology
- General Microbiology
- Protein Structure & Function
- Introductory genetics
- Molecular Genetics
- Membrane Biochemistry
- Microbial Biochemistry
- Biological Diversity
- Body fluids and functions
- Endocrinology
- Microbial Genetics
- General Virology
- Immunology
- Cell Signaling & Transduction
- Genetic Disorders
- Molecular Basis of Cancer
- Physiology of peptide hormone
- Recombinant DNA Technology
- Biostatistics
- Transgenicity & Cloning
- Environmental Biotechnology
- Techniques in Molecular Biology
- Research Methodology
- Advances in Molecular Biology
- Plant Cell & Tissue Culture
- Bioinformatics and System Biology



Semester 5	Cr Hr	Semester 6	Cr Hr	Semester 7	Cr Hr	Semester 8	Cr Hr
Endocrinology	3	Genetic Disorders	3	Transgenicity & Cloning	3	Advances in Molecular Biology	4
Microbial Genetics	4	Molecular Basis of Cancer	3	Environmental Biotechnology	3	Plant Cell & Tissue Culture	3
General Virology	3	Physiology of peptide hormone	3	Techniques in Molecular Biology	3	Bioinformatics and System Biology	3
Immunology	4	Recombinant DNA Technology	3	Research Methodology	3	* Review Report	4
Cell Signaling & Transduction	3	Biostatistics	3	*Review Report	4		

Bachelor of Science in BIOTECHNOLOGY (BSBT)

INTRODUCTION

The programme after completion is equivalent to MSc since the degree is awarded on successful completion of 16 years of education after Higher Secondary School Education.

The degree programme fulfills all the curriculum requirements for BS degree recommended by Higher Education Commission consisting of compulsory, core and allied courses.

The basic training of research work is also imparted.

Career PROSPECTS

Industrial, Agricultural, Educational, Research Development and Health Organizations.

Course FACTS

Program Length

Full-time, 4 Years

Entry Requirements

12 years of education (Higher Secondary School Certificate/ Intermediate) with at least second Division (Pre Medical/Pre Engg or equiv)

Location

Defence Road Campus

Recognised BY

Higher Education Commission

Road MAP

Semester 1	Cr Hr	Semester 2	Cr Hr	Semester 3	Cr Hr	Semester 4	Cr Hr
Foundation of English	3	English Technical Writing & Comprehensive	3	Pakistan Studies	3	Ecosystem & Environment	3
Islamic Studies	2	Cell Biology	3	Organic Chemistry	3	Plant Biotechnology	3
Mathematics	3	Biomathematics	3	Plant Biotechnology	3	Analytical Chemistry & Instrumentation.	3
Physical Chemistry	3	Inorganic Chemistry	3	Biochemistry I	3	Biochemistry II	3
Plant Diversity.	3	Animal Diversity	3	Microbiology	3	Mol. Biology I	3
Introduction to Computer Science	3	Genetics	3	Communication Skill	3		

COURSES

- Physical Chemistry
- Plant Diversity.
- Cell Biology
- Biomathematics
- Inorganic Chemistry
- Animal Diversity
- Genetics.
- Organic Chemistry
- Plant Biotechnology
- Biochemistry I
- Microbiology
- Ecosystem & Environment
- Plant Biotechnology
- Analytical Chemistry & Instrumentation
- Biochemistry II
- Mol. Biology I
- Biostatistics.
- Immunology.
- Mol. Biology II
- Principles of Biochemical Engineering.
- Cell and Tissue Culture.
- Elements of Biotechnology
- Genetic resources & Conservation
- Microbial Biotechnology
- Agriculture Biotechnology.
- Food Biotechnology.

- Bioinformatics and System biology
- Health Biotechnology.
- Recombinant DNA Technology
- Skill Enhancement.
- Metabolomics, Proteomics and Genomics
- Environment Biotechnology.
- Down Stream Technology
- Bio-safety & Bioethics

Elective COURSES

- Industrial Biotechnology
- Pharmaceutical Biotechnology
- Plant Biotechnology
- Animal Biotechnology
- Fungal Biotechnology
- Waste Management
- Water and Waste Water Treatment
- Bioremediation
- Bio-fuel and Bio refinery
- Diagnostics
- Bioelectronics & Biosensor
- Radiology
- Biomaterial
- Marine Biotechnology
- Nano biotechnology



Semester 5	Cr Hr	Semester 6	Cr Hr	Semester 7	Cr Hr	Semester 8	Cr Hr
Biostatistics.	3	Genetic resources & Conservation	3	Health Biotechnology.	3	Elective-III	3
Immunology.	3	Microbial Biotechnology	3	Recombinant DNA Technology	3	Environment Biotechnology.	3
Mol. Biology II	3	Agriculture Biotechnology.	3	Skill Enhancement.	1	Down Stream Technology	1
Principles of Biochemical Engineering.	3	Food Biotechnology.	3	Metabolomics, Proteomics and Genomics	2	Bio-safety& Bioethics	1
Cell and Tissue Culture.	3	Bioinformatics and System biology	3	Elective-I	3	Elective-IV	3
Elements of Biotechnology	2			Elective-II	3	Review	3

Bachelor of Science in MICROBIOLOGY & BIOTECHNOLOGY (BSM)

INTRODUCTION

The program after completion is equivalent to MSc since the degree is awarded on successful completion of 16 years of education after Higher Secondary School Education.

The degree program fulfils all the curriculum requirements for BS degree recommended by Higher Education Commission consisting of compulsory, core and allied courses.

The basic training of research work is also imparted.

Career PROSPECTS

Industrial, Agricultural, Educational, Research & Development and Health Organizations

Course FACTS

Program Length

Full-time, 4 Years

Entry Requirements

12 years of education (Higher Secondary School Certificate/ Intermediate) with at least second Division

Location

Defence Road Campus

Recognised BY

Higher Education Commission

COURSES

- Introduction to Biochemistry
- Cell & Molecular Biology I
- Biochemistry of macromolecules
- Cell & Molecular Biology II
- Enzymology
- General Microbiology
- Microbial Biotechnology
- Protein Structure & Function
- Introductory Genetics
- General Bacteriology
- Membrane Biochemistry
- Microbial Biochemistry
- Biological Diversity
- Body fluids and function
- General Mycology
- Microbial Genetics
- General Virology
- Immunology
- Cell Signaling & Transduction
- Microbial Biotechnology
- Food Microbiology
- Industrial Microbiology
- Recombinant DNA Technology
- Biostatistics
- Transgenicity & Cloning
- Environmental Microbiology
- Techniques in Microbiology
- Research Methodology
- Advances in Microbiology
- Plant Cell & Tissue Culture
- Bioinformatics and System Biology



Road MAP

Semester 1	Cr Hr	Semester 2	Cr Hr	Semester 3	Cr Hr	Semester 4	Cr Hr
Introduction to Biochemistry	4	Biochemistry of Macromolecules	4	General Microbiology	3	General Bacteriology	3
Cell & Molecular Biology I	3	Cell & Molecular Biology II	3	Microbial Biotechnology	3	Membrane Biochemistry	3
Introduction to Computers	3	Enzymology	3	Protein Structure & Function	4	Microbial Biochemistry	4
Foundation of English	3	Biomathematics	3	Introductory Genetics	3	Biological Diversity	4
Mathematics	3	English Technical Writing and comprehension	3	Communication Skill	3	Body fluids and function	2

Semester 5	Cr Hr	Semester 6	Cr Hr	Semester 7	Cr Hr	Semester 8	Cr Hr
General Mycology	3	Microbial Biotechnology	3	Transgenicity & Cloning	3	Advances in Microbiology	4
Microbial Genetics	4	Food Microbiology	3	Environmental Microbiology	3	Plant Cell & Tissue Culture	3
General Virology	3	Industrial Microbiology	3	Techniques in Microbiology	3	Bioinformatics and System Biology	3
Immunology	4	Recombinant DNA Technology	3	Research Methodology	3	Seminar on Review	1
Cell Signaling & Transduction	3	Biostatistics	3	Special Problem	1	*Review Report	4

Bachelor of Science in ENVIRONMENTAL SCIENCES (BSES)

INTRODUCTION

The programme after completion is equivalent to an MSc since the degree is awarded on successful completion of 16 years of education after Higher Secondary School Education. The degree program fulfils all the curriculum requirements for a BS Degree recommended by the Higher Education Commission consisting of compulsory, core and allied courses. The basic training of research work is also imparted.

Career PROSPECTS

Industrial, Agricultural, Educational, Research Development and Health Organizations.

Course FACTS

Program Length

Full-time, 4 Years

Entry Requirements

12 years of education (Higher Secondary School Certificate/ Intermediate) with at least second division

Location

Defence Road Campus

Recognised BY

Higher Education Commission

COURSES

- Introduction to Environmental Science
- Biology –I
- Introduction to Earth Science
- Biology –II
- Basic Chemistry
- Anthropology
- Environmental Chemistry
- Environmental Physics
- Environmental Economics
- Philosophy
- Fundamentals of Ecology
- Environmental Microbiology
- Environmental Pollution
- Climatology
- Psychology
- Applied Ecology
- Environmental toxicology
- Environmental Profile of Pakistan
- Biostatistics
- Analytical techniques in Environmental Science
- Introduction to biochemistry
- Environmental Biotechnology
- GIS & Remote Sensing
- Environmental Management Systems
- Biodiversity & Conservation
- Environmental Monitoring
- Agro-ecology
- Climate Change
- Environmental Impact Assessment
- Natural Resource Management
- Research Methods in Environmental Science
- Disaster management
- Environmental Laws & policies
- Health and Environment
- Pollution control Technologies

Road MAP

Semester 1	Cr Hr	Semester 2	Cr Hr	Semester 3	Cr Hr	Semester 4	Cr Hr
Introduction to Environmental Science	3	Introduction to Earth Science	3	Pakistan Studies	2	Fundamentals of Ecology	3
Biology-I*	3	Biology-II*	3	Environmental Chemistry	3	Environmental Microbiology	3
Introduction to Computer Sciences	3	Basic Chemistry*	3	Environmental Physics	3	Environmental Pollution	3
Mathematics	3	Biomathematics	3	Environmental Economics	3	Climatology*	3
Foundation of English	3	Anthropology	2	Communication Skill	3	Psychology*	3
Islamic Studies	2	English Technical Writing & Comprehensive	3	Philosophy*	2		

Semester 5	Cr Hr	Semester 6	Cr Hr	Semester 7	Cr Hr	Semester 8	Cr Hr
Applied Ecology	3	Environmental Biotechnology	3	Climate Change	3	Environmental Laws & policies	3
Environmental toxicology	3	GIS & Remote Sensing	4	Environmental Impact Assessment	3	Health and Environment	3
Environmental Profile of Pakistan	3	Environmental Management Systems	3	Natural Resource Management	3	Pollution control Technologies	3
Biostatistics	3	Biodiversity & Conservation	3	Research Methods in Environmental Science	3	Review Report	3
Analytical techniques in Environmental Science	3	Environmental Monitoring	3	Disaster management	3		
Introduction to biochemistry	3	Agro-ecology	3	Review Report	3		

Master of Science in BIOCHEMISTRY & BIOTECHNOLOGY (MBC)

INTRODUCTION

The programme after completion is equivalent to an MSc since the degree is awarded on successful completion of 16 years of education after Higher Secondary School Education. The degree program fulfills all the curriculum requirements for a BS Degree recommended by the Higher Education Commission consisting of compulsory, core and allied courses. The basic training of research work is also imparted.

Career PROSPECTS

Industrial, Agricultural, Educational, Research Development and Health Organizations

COURSES

- Principles of Biochemistry
- Introduction to Physiology
- Introduction to Molecular Biology & Biotechnology
- Instrumentation and analytical techniques
- Biochemistry & Diseases
- Protein structure, function & synthesis
- Immunology
- Principles of statistics
- Hormones in human Life
- Recent advances in Biochemistry
- Cell structure and function
- Special Problem
- Research & thesis/Review
- Bioinformatics and System Biology
- Seminar on thesis topic

Course FACTS

Program Length

Two-Years Full Time

Entry Requirements

14 years of education (BSc or Equivalent) with at least 2nd division Certificate/Intermediate)

Location

Defence Road Campus

Recognised BY

Higher Education Commission

Road MAP

Semester 1	Cr Hr	Semester 2	Cr Hr	Semester 3	Cr Hr	Semester 4	Cr Hr
Principles of Biochemistry	4	Biochemistry & Diseases	4	Recent Advances in Biochemistry	4	Bioinformatics and System Biology	4
Introduction to Physiology	4	Protein structure, function & synthesis	4	Hormones in human Life	2	Seminar on thesis topic	1
Introduction to Molecular Biology & Biotechnology	4	Immunology	4	Cell structure and function	4	Research & thesis/Review	6
Instrumentation and analytical techniques	4	Principles of statistics	4	Special Problem	1		
				Research & thesis/Review	6		

Master of Science in MOLECULAR BIOLOGY & BIOTECHNOLOGY (MMB)

INTRODUCTION

The programme after completion is equivalent to an MSc since the degree is awarded on successful completion of 16 years of education after Higher Secondary School Education. The degree program fulfills all the curriculum requirements for a BS Degree recommended by the Higher Education Commission consisting of compulsory, core and allied courses. The basic training of research work is also imparted.

Career PROSPECTS

Industrial, Agricultural, Educational, Research Development and Health Organizations.

COURSES

- Principles of Biochemistry
- Introduction to Physiology
- Introduction to Molecular Biology & Biotechnology
- Instrumentation and Analytical Techniques
- Use of MBB in disease diagnosis
- Mol.Bio & Recombinant DNA
- Immunology
- Principles of statistics
- Molecular Pathogenesis
- Environmental Biotechnology
- Cell structure and function
- Special Problem
- Research & thesis/Review
- Bioinformatics and System Biology
- Seminar on thesis topic

Course FACTS

Program Length

Two-Years Full Time

Entry Requirements

14 years of education (BSc or Equivalent) at least 2nd division Certificate/Intermediate)

Location

Defence Road Campus

Recognised BY

Higher Education Commission

Road MAP

Semester 1	Cr Hr	Semester 2	Cr Hr	Semester 3	Cr Hr	Semester 4	Cr Hr
Principles of Biochemistry	4	Use of MBB in disease diagnosis	4	Molecular Pathogenesis	4	Bioinformatics and System Biology	4
Introduction to Physiology	4	Mol.Bio & Recombinant DNA	4	Environmental Biotechnology	2	Seminar on thesis topic	1
Introduction to Molecular Biology & Biotechnology	4	Immunology	4	Cell structure and function	4	Research & thesis/Review	6
Instrumentation and analytical techniques	4	Principles of statistics	4	Special Problem	1		
						Research & thesis/Review	6

Master of Science in BIOTECHNOLOGY (MBT)

INTRODUCTION

The programme after completion is equivalent to a MSc since the degree is awarded on successful completion of 16 years of education after Higher Secondary School Education. The degree program fulfills all the curriculum requirements for a BS Degree recommended by the Higher Education Commission consisting of compulsory, core and allied courses. The basic training of research work is also imparted.

Career PROSPECTS

Industrial, Agricultural, Educational, Research development and Health Organizations.

COURSES

- Biostatistics
- Immunology
- Molecular Biology
- Principles of Biochemical Engineering
- Cell and Tissue Culture
- Elements of Biotechnology
- Genetic Resources & Conservation
- Microbial Biotechnology
- Agricultural Biotechnology
- Food Biotechnology
- Bioinformatics
- Environmental Biotechnology
- Biosafety & Bioethics
- Health Biotechnology
- Recombinant DNA Technology
- Metabolomics, Proteomics & Genomics
- Down Stream Technology

Course FACTS

Program Length

Two-Years Full Time

Entry Requirements

14 years of education (BSc or Equivalent) with at least 2nd division Certificate/Intermediate)

Location

Defence Road Campus

Recognised BY

Higher Education Commission

Road MAP

Semester 1	Cr Hr	Semester 2	Cr Hr	Semester 3	Cr Hr	Semester 4	Cr Hr
Biostatistics	3	Genetic Resources & Conservation	3	Health Biotechnology	3	Down Stream Technology	1
Immunology	3	Microbial Biotechnology	3	Recombinant DNA Technology	3	Research & Thesis	6
Molecular Biology	4	Agricultural Biotechnology	3	Research & Thesis	6		
Principles of Biochemical Engineering	3	Food Biotechnology	3	Metabolomics, Proteomics & Genomics	3		
Cell and Tissue Culture	3	Bioinformatics	2				
Elements of Biotechnology	2	Environmental Biotechnology	3				

Master of Science in MICROBIOLOGY & BIOTECHNOLOGY (MMC)

INTRODUCTION

The programme after completion is equivalent to an MSc since the degree is awarded on successful completion of 16 years of education after Higher Secondary School Education. The degree program fulfills all the curriculum requirements for a BS Degree recommended by the Higher Education Commission consisting of compulsory, core and allied courses. The basic training of research work is also imparted.

Career PROSPECTS

Industrial, Agricultural, Educational, Research development and Health Organizations

COURSES

- Principles of Biochemistry
- Introduction to Physiology
- Introduction to Molecular Biology & Biotechnology
- Instrumentation and analytical Techniques
- General Microbiology
- Medical Microbiology
- Immunology
- Principles of statistics
- Microbial taxonomy
- General Virology
- General Bacteriology
- Special Problem
- Research & thesis
- Bioinformatics & System Biology
- Seminar on thesis topic

Course FACTS

Program Length

Two-Years Full Time

Entry Requirements

14 years of education (BSc or Equivalent) with at least 2nd division Certificate/Intermediate)

Location

Defence Road Campus

Recognised BY

Higher Education Commission

Road MAP

Semester 1	Cr Hr	Semester 2	Cr Hr	Semester 3	Cr Hr	Semester 4	Cr Hr
Principles of Biochemistry	4	General Microbiology	4	Microbial taxonomy	4	Bioinformatics & System Biology	4
Introduction to Physiology	4	Medical Microbiology	4	General Virology	2	Seminar on thesis topic	1
Introduction to Molecular Biology & Biotechnology	4	Immunology	4	General Bacteriology	4	Research & thesis	6
Instrumentation and analytical techniques	4	Principles of statistics	4	Special Problem	1		
				Research & thesis	6		

M.Phil in BIOCHEMISTRY (PBC)

INTRODUCTION

The program of study is equivalent to M.Phil. since the degree is awarded on successful completion of 16 years of education after the award of BS degree of 4 years duration or MSc degree of 2 years duration. The Degree program fulfils all the curriculum requirements for MPhil Degree programs as recommended by Higher Education Commission, consisting of compulsory, core and allied courses. The students are required to complete 24 credit hours of courses in the first 2 semesters and conduct research & remaining 12 credit hours complete in the next 2 semesters. Before starting research, the students have to pass Comprehensive Exam as required by HEC. All students are required to pass GAT examination

conducted by National Testing Service (NTS). Admission test will be held by the Institute.

Career PROSPECTS

Industrial, Agricultural, Educational, Research Development and Health Organizations.

Elective COURSES

- Recent trends in Immunology
- Advances in Clinical Biochemistry
- Biochemistry of Metabolic Disorders
- Enzymes in Biological systems
- Toxicology
- Biochemistry of Medicinal Plants (CAM)

Course FACTS

Program Length

Two-Year's Full Time

Entry Requirements

16 years of education (BS/MSc/MBBS/ BDS/BPharm) with at least 2nd division. Certificate/Intermediate)

Location

Defence Road Campus

Recognised BY

Higher Education Commission

Road MAP

Semester 1	Cr Hr	Semester 2	Cr Hr	Semester 3	Cr Hr	Semester 4	Cr Hr
Advances in Biochemistry	4	Biochemistry of Cell Signal Transduction & Regulations	3	Research and thesis	6	Research & thesis	6
Biochemistry of vitamins and hormones	4	Techniques in Biochemistry	3				
*optional course in 1st Semester	4	Biostatistics and bioinformatics	3				
		* Optional course in 2nd Semester	3				

M.Phil in MOLECULAR BIOLOGY (PML)

INTRODUCTION

The program of study is equivalent to M.Phil. since the degree is awarded on successful completion of 16 years of education after the award of BS degree of 4 years duration or MSc degree of 2 years duration. The Degree program fulfils all the curriculum requirements for MPhil Degree programs as recommended by Higher Education Commission, consisting of compulsory, core and allied courses. The students are required to complete 24 credit hours of courses in the first 2 semesters and conduct research & remaining 12 credit hours complete in the next 2 semesters. Before starting research, the students have to pass Comprehensive Exam as required by HEC. All students are required to pass GAT examination

conducted by National Testing Service (NTS). Admission test will be held by the Institute.

Career PROSPECTS

Industrial, Agricultural, Educational, Research and development and Health Organizations.

Elective COURSES

- Molecular Biology of Cell
- Molecular Biology & Biomedicine
- Molecular basis of Genetic Disorders
- Molecular Genetics

Course FACTS

Program Length

Two-Year's Full Time

Entry Requirements

16 years of education (BS/MSc/MBBS/ BDS/BPharm)Certificate/Intermediate)

Location

Defence Road Campus

Recognised BY

Higher Education Commission

Road MAP

Semester 1	Cr Hr	Semester 2	Cr Hr	Semester 3	Cr Hr	Semester 4	Cr Hr
Advanced Biochemistry	3	Recent Advances in Molecular Biology	3	Cancer Biology	3	Research & thesis	6
Fundamentals of Molecular Biology & Biotechnology	3	Techniques in Molecular Biology & Biotechnology	1	Research and thesis	6		
Biostatistics & Bioinformatics	3	Recombinant DNA Technology	2				
* Optional course in 1st Semester	3	* Optional course in 2nd Semester	3				

M.Phil of in BIOTECHNOLOGY (PBB)

INTRODUCTION

The program of study is equivalent to M.Phil. since the degree is awarded on successful completion of 16 years of education after the award of BS degree of 4 years duration or MSc degree of 2 years duration. The Degree program fulfils all the curriculum requirements for MPhil Degree programs as recommended by Higher Education Commission, consisting of compulsory, core and allied courses. The students are required to complete 24 credit hours of courses in the first 2 semesters and conduct research & remaining 12 credit hours complete in the next 2 semesters. Before starting research, the students have to pass Comprehensive Exam as required by HEC. All students are required to pass GAT examination conducted by National Testing

Service (NTS). Admission test will be held by the Institute.

Career PROSPECTS

Industrial, Agricultural, Educational, Research and development and Health Organizations.

Elective COURSES

- Plant Tissue Culture
- Animal Tissue Culture
- Biodiesel Technology
- Medicinal Plant Biotechnology
- Agricultural Biotechnology
- Health Biotechnology
- Seed Science & Technology
- Transgenic Plants

Course FACTS

Program Length

Two-Year s Full Time

Entry Requirements

16 years of education (BS/MSc/MBBS/ BDS/BPharm) Certificate/Intermediate)

Location

Defence Road Campus

Recognised BY

Higher Education Commission

Road MAP

Semester 1	Cr Hr	Semester 2	Cr Hr	Semester 3	Cr Hr	Semester 4	Cr Hr
Biostatistics	4	Bioinformatics	4	Research & thesis	6	Research & thesis	6
General Biotechnology	4	Advanced Recombinant DNA Technology	4				
Techniques in Biotechnology	4	Elective course	4				

M.Phil of in MICROBIOLOGY (PMC)

INTRODUCTION

The program of study is equivalent to M.Phil. since the degree is awarded on successful completion of 16 years of education after the award of BS degree of 4 years duration or MSc degree of 2 years duration. The Degree program fulfils all the curriculum requirements for MPhil Degree programs as recommended by Higher Education Commission, consisting of compulsory, core and allied courses. The students are required to complete 24 credit hours of courses in the first 2 semesters and conduct research & remaining 12 credit hours complete in the next 2 semesters. Before starting research, the students have to pass Comprehensive Exam as required by HEC. All students are required to pass GAT examination conducted by National Testing

Service (NTS). Admission test will be held by the Institute.

Career PROSPECTS

Industrial, Agricultural, Educational, Research development and Health Organizations.

COURSES

- Optional for 1st Semester
- Cell Culture Techniques
- Medical Microbiology
- Vaccinology
- Optional for 2nd Semester
- Food Microbiology
- Therapeutics and infectious diseases
- General Virology

Course FACTS

Program Length

Two-Year s Full Time

Entry Requirements

16 years of education (BS/MSc/MBBS/ BDS/BPharm) with at least 2nd division Certificate/Intermediate)

Location

Defence Road Campus

Recognised BY

Higher Education Commission

Road MAP

Semester 1	Cr Hr	Semester 2	Cr Hr	Semester 3	Cr Hr	Semester 4	Cr Hr
General Microbiology	4	Microbial Biochemistry and Physiology	4	Research and thesis	6	Research & thesis	6
Microbial Genetics and diseases	4	Microbial techniques	2				
*optional course in 1st Semester	4	Biostatistics and bioinformatics	3				

*optional course in 2nd

M.Phil / MS in ENVIRONMENTAL SCIENCE (PES)

INTRODUCTION

The program of study is equivalent to M.Phil. since the degree is awarded on successful completion of 16 years of education after the award of BS degree of 4 years duration or MSc degree of 2 years duration. The Degree program fulfils all the curriculum requirements for MPhil Degree programs as recommended by Higher Education Commission, consisting of compulsory, core and allied courses. The students are required to complete 24 credit hours of courses in the first 2 semesters and conduct research & remaining 12 credit hours complete in the next 2 semesters. Before starting research, the students have to pass Comprehensive Exam as required by HEC. All students are

required to pass GAT examination conducted by National Testing Service (NTS). Admission test will be held by the Institute.

Career PROSPECTS

Industrial, Agricultural, Educational, Research development and Health Organizations.

Course FACTS

Program Length

Two-Year s Full Time

Entry Requirements

16 years of education (BS/MSc/MBBS/ BDS/BPharm) with at least 2nd division Certificate/Intermediate)

Location

Defence Road Campus

Recognised BY

Higher Education Commission

Road MAP

Semester 1	Cr Hr	Semester 2	Cr Hr	Semester 3	Cr Hr	Semester 4	Cr Hr
Environmental Governance	3	Environmental Impact Assessment	3	Research and Thesis	6	Research and thesis	6
Environmental Analytical Techniques	3	Environmental Management Systems	3				
Environmental Chemistry	3	Environmental Biotechnology	3				
Applied Environmental I	3	Advances in Plant Ecology	3				

M.Phil in PHYSIOLOGY (PPS)

INTRODUCTION

The program of study is equivalent to M.Phil. since the degree is awarded on successful completion of 16 years of education after the award of BS degree of 4 years duration or MSc degree of 2 years duration. The Degree program fulfils all the curriculum requirements for MPhil Degree programs as recommended by Higher Education Commission, consisting of compulsory, core and allied courses. The students are required to complete 24 credit hours of courses in the first 2 semesters and conduct research & remaining 12 credit hours complete in the next 2 semesters. Before starting research, the students have to pass Comprehensive Exam as required by HEC. All students are

required to pass GAT examination conducted by National Testing Service (NTS). Admission test will be held by the Institute.

COURSES

- Optional for 1st Semester
- Neuroendocrinology
- Systemic Physiology and Diseases
- Cancer Biology
- Optional for 2nd Semester
- Cell Physiology
- Cell and Tissue Culture
- Genetic Disorders
- Applications of stem cell in Physiology

Course FACTS

Program Length

Two-Year s Full Time

Entry Requirements

16 years of education (BS/MSc/MBBS/ BDS/BPharm) with at least 2nd division Certificate/Intermediate)

Location

Defence Road Campus

Recognised BY

Higher Education Commission

Road MAP

Semester 1	Cr Hr	Semester 2	Cr Hr	Semester 3	Cr Hr	Semester 4	Cr Hr
Advanced Physiology	4	Physiology of Reproduction	3	Research and thesis	6	Research & thesis	6
Physiology of vitamins and hormones	4	Physiological Techniques	3				
*optional course in 1st Semester	4	Biostatistics and bioinformatics	3				
		*optional course in 2nd	3				

M.PHIL LEADING TO PH.D / PH.D

The candidates for M.Phil. leading to PhD will first complete the course work requirement for M.Phil. and then they will take up PhD courses subject to satisfactory performance.

For PhD 18 Credit Hours and a list of courses is enclosed from where the supervisory committee will select the student discipline.

BIOCHEMISTRY COURSES

Introduction to biochemistry; molecules, cells & organisms	4(3-1)
Advancements in protein relationship with structure & function	4(3-1)
Advances in energy homeostasis	4(3-1)
Advanced microbial genetics	4 (4-0)
Classification and metabolism of proteins	3 (2-1)
Classification and metabolism of lipids & carbohydrates	4 (3-1)
Classification and metabolism of nucleic acids	4 (3-1)
DNA synthesis and genetic disorders	4 (3-1)
Biochemical basis of gene expression and regulation	2 (2-0)
Recent advancements in recombinant DNA technology	4 (3-1)
Biochemical basis of cell signaling & signal transduction cascades	3 (3-0)
Biochemical basis of cancer	3 (3-0)
Recent advancements in immunology	4 (2-1)
Recent advancements in enzymology	2 (2-0)
Advanced endocrinology	3 (3-0)
Bioenergetics & Oxidative Phosphorylation	2 (2-0)
Nutrition & dietetics	4 (3-1)
Techniques in biochemistry	3 (1-2)
Biochemical basis of diseases	3 (3-0)
Biochemistry of blood	3 (2-1)
Applications of Biostatistics in biological science	3 (2-1)
Special problem	1 (1-0)
Seminar on thesis topic	1 (1-0)
Research and thesis	20 (0-20)

COURSES

MOLECULAR BIOLOGY COURSES

Introduction to molecular biology & biotechnology	4 (3-1)
Advancements in protein relationship with structure & function	4 (3-1)
Recent developments in biotechnology	3 (2-1)
Recent advances in molecular biology	3 (2-1)
Nucleic acid structure and function	2 (2-0)
Molecular basis of cancer	2 (2-0)
Molecular biology of genetic disorders	3 (2-1)
Gene expression and regulation	4 (3-1)
Stem cell research	2 (2-0)
Chromosomal mapping & its applications	4 (3-1)
Techniques in molecular biology & biotechnology	3 (1-3)
Molecular immunology	3 (2-1)
Principles and applications of biotechnology	3 (3-0)
Recent advancements in industrial enzymology	3 (3-0)
Molecular biology and pedigree identification	3 (2-1)
Environmental biotechnology	2 (2-0)
Agricultural waste biotechnology	3 (2-1)
Genetic engineering; methods & applications	4 (3-1)
Recombinant technology	2 (2-0)
Applications of biotechnology in medicine	2 (2-0)
Recent developments in molecular biomedicine	3 (3-0)
Applications of Biostatistics in biological science	3 (2-1)
Special problem	1 (1-0)
Seminar on thesis topic	1 (1-0)
Research and thesis M.Phil	20 (0-20)
Ph.D	30 (0-30)

M.PHIL LEADING to PH.D / PH.D

PHYSIOLOGY COURSES

General physiology	4 (3-1)
Advances in energy homeostasis	4 (3-1)
Advances in nervous system physiology	3 (2-1)
Physiology of digestion	3 (2-1)
Physiology of nerve and muscle	3 (2-1)
General endocrinology & pituitary hormones	4 (3-1)
Physiology of adrenals, pancreatic, thyroid parathyroid hormones	4 (3-1)
Respiratory & space physiology	2 (2-0)
Physiological technique	3 (1-3)
Reproductive physiology	2 (1-1)
Physiology of liver & reticulo-endothelial system	3 (3-0)
Renal physiology & body fluids	4 (2-1)
Physiology of skin & thermoregulation	2 (2-0)
Advanced physiology of blood	3 (2-1)
Recent advances in physiology	2 (2-0)
Physiology of special senses	3 (2-1)
Physiology of body defense mechanisms	2 (2-0)
Physiological basis of molecular biology	3 (3-0)
Applications of Biostatistics in biological science	3 (2-1)
Special problem	1 (1-0)
Seminar on thesis topic	1 (1-0)
Research and thesis M. Phil	20 (0-20)
Ph. D	30 (0-30)

COURSES

MICROBIOLOGY COURSES

Gen. Microbiology	3 (2-1)
Gen. Immunology	3 (2-1)
Advancements in protein structure function relationships	4 (3-1)
Microbial Taxonomy	3 (3-0)
Gen.Virology	3 (2-1)
Cell Biology-I	3 (2-1)
Mycology	3 (3-0)
Research Methodology	3 (2-1)
Cell Biology-II	4(3-1)
Microbial Anatomy & Physiology	4(3-1)
Fresh Water Microbiology	2(2-0)
Bacterial Genetics	3(3-0)
Clinical Bacteriology	4(3-1)
Soil Microbiology	3 (2-1)
Epidemiology	3 (3-0)
Environment Biotechnology	3 (2-1)
Molecular Mechanism of	3 (3-0)
Antimicrobiological Drugs	3 (3-0)
Genetic Engineering	3(3-0)
Medical microbiology	3(3-0)
Immunobiology	3(3-0)
Applications of Biostatistics in Biological Sciences.	3(2-1)
Techniques in Microbiology	3 (1-2)
cell signaling and transduction	3(3-0)
Special problem	1 (1-0)
Seminar on thesis topic	1 (1-0)
Research and thesis M. Phil	20 (0-20)
Ph.D	30 (0-30)

M.PHIL LEADING TO PH.D / PH.D

BIOTECHNOLOGY COURSES

Elements of Biotechnology	2(2+0)
Agriculture Biotechnology	4(3-1)
Health Biotechnology	4(3+1)
Environment Biotechnology	3(2+1)
Food Biotechnology	3(3+0)
Microbial Biotechnology	3(2+1)
Advanced Recombinant DNA Technology	3(3-0)
Cell and Tissue Culture	3(3+0)
Bioinformatics	4(3+1)
Down Stream Technology	3(2+1)
Bio-safety & Bioethics	2(0+2)
Techniques In Molecular Biology	2(0+2)
cell signaling and transduction	3(3-0)
Principles and application of Biotechnology	3(3-0)
Recent Advancements in industrial enzymology	3 (3-0)
Application of Biotechnology	3 (3-0)
Recent developments in molecular biomedicine	3(3-0)
Applications of biostatistics in biological sciences	3(2-1)
Advances in Plant Biotechnology	3(2-1)
Biotechnology of Renewable Resources	3(3-0)
Special problem	1(1-0)
Seminar on thesis topic	1(1-0)
Research and thesis	20 (0-20)

M. Phil leading to Ph. D.

M.Phil. Credit Hours

Course work

Research and thesis

Ph.D. 18 (course work) + 30 (research and thesis)

36

18

30

= 84

= 48

NOTE



Centre of RESEARCH IN MOLECULAR MEDICINE (CRIMM)

Mission STATEMENT

The Centre aims at conducting high quality research and postgraduate training in biomedical sciences with strong relevance to current issues of human health in the local and regional context. The Centre has a strong integrative and multidisciplinary approach to carrying out basic and clinically oriented research and postgraduate training on specific problems ranging from molecular to epidemiological levels. To accomplish these goals the CRiMM strives to bring together young scientists and physicians under a common roof to interact and resolve problems related to health and disease with a holistic approach.

INTRODUCTION

During the last three decades the discipline of molecular and cellular biology has expanded phenomenally in scope and in depth. New knowledge in the field, mainly acquired through a multidisciplinary approach and experimental research, has made it possible not only to unravel living processes in health and disease from molecular to organismal level but also to introduce novel

and diagnostic tools in medical practice.

In line with the policy of the university to develop high quality expertise & manpower in emerging areas of biomedical sciences, a Centre for Research in Molecular Medicine was initiated in April 2009. The Centre represents a major investment and a bold initiative by the University in the field of life sciences and human health. A covered area of approximately 9,000 sq. feet was allocated to the Centre at the University's new campus adjacent to the University College of Medicine, to develop purpose-built teaching and research laboratories with state-of-the-art facilities.

The Centre draws resources from other academic units of the University as well, such as the Institute of Molecular Biology and Biotechnology, Department of Pharmacy, the University College of Medicine and the Department of Information Technology. The Centre also has close collaboration in relevant areas with other reputable institutions within & outside the country.

OBJECTIVES

molecular medicine and related disciplines with strong relevance to human health in the local context.

- To provide research training of postgraduate students in biomedical sciences, leading to PhD degrees.
- To firm up research linkages and interactive cooperation with national and international institutions conducting similar research.
- To attract scientists and physicians for short term training in molecular medicine techniques and invite foreign and local experts for lectures and in a research advisory capacity.
- To publish scientific articles based on research conducted at the Centre in peer reviewed international journals.
- To generate high quality manpower to meet the demand for qualified faculty and scientists, in institutions both educational and research, and in industry.
- To provide an open, stimulating and nurturing environment for training and career development in



OUR FACULTY

M.H. Qazi, PhD, SI
Professor and Director CRiMM

I. Ahsan, FRCS
Professor, University College of Medicine (Co-opted)

Dr Mushtaq A Saleem
Professor

Dr. Samina Kausar
Assistant Professor
PhD Biochemistry

Dr M Shoaib
Assistant Professor
BDS / PhD

Maria Fareed Siddiqui
Assistant Professor
Pharm-D, MPhil

Qurat-ul-Ain
Lecturer

Sumaira Shaheen, MSc
Research Assistant

Afeefa Kiran, MSc
Technical Assistant

N.A. Aasi, FRCS
Professor, University College of Medicine (Co-opted)

T. Jamil, MPC Path
Professor, University College of Medicine (Co-opted)

Dr Javed Iqbal Mirza
Professor

Dr Ruqayia Gull
Assistant Professor

Dr Imran R Malik
Assistant Professor

Zeeshan Gilani, MS
Assistant Professor

Mehwish Anwer, M.Phil
Lecturer

M Shoaib, MSc
Research Assistant

M. Asad, MSc
Research Assistant

Advisory COMMITTEE

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Muenster, Germany

M Arslan
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FC College University
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Sargodha, Pakistan

AS Sheikh,
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Multan, Pakistan

S. Naz,
PhD LCW University,
Lahore, Pakistan

S. Saeed,
MPhil University of Cambridge

COLLABORATIVE INSTITUTIONS

INTERNATIONAL

University of Pittsburgh School of Medicine
CRRP, Department of Physiology and Cell Biology
Pittsburgh, PA, USA

University of Muenster
Centre of Reproductive Medicine and Andrology
(CeRA)
Muenster, Germany

Imperial College London
Department of Genomics of Common Diseases
Hammersmith Hospital Campus
London, UK

NATIONAL

The Children's Hospital
Department of Paediatric Endocrinology
and Institute of Child Health,
Lahore

National Institute of Biotechnology
and Genetic Engineering,
Faisalabad

Institute of Nuclear Medicine and Oncology
Lahore

Academics & RESEARCH

Postgraduate Programmes: The Centre for Research in Molecular Medicine attempts to integrate molecular, cellular and systems approaches and focuses on carrying out goal-oriented research and delivering postgraduate programmes of the highest possible quality. The Centre offers post graduate programmes for medical and science candidates, leading to MPhil and PhD degrees.



POSTGRADUATE PROGRAMS

The Centre offers MPhil/MS and MPhil/MS leading to PhD programmes, in the following disciplines:

Molecular Biology and Biochemistry

Research specializations: Breast cancer and tumor research; molecular biomarkers of disease; proteomics; cell signaling; recombinant DNA technology; tissue culture; immunobiology.

Physiology

Research specializations: Molecular and clinical endocrinology; metabolism; biochemistry and molecular biology of metabolic diseases; andrology; genetics of idiopathic infertility; comparative reproductive biology.

Biochemistry

Research specializations: Biochemistry of growth and development; biochemical spectrum of metabolic syndromes and clinical biochemistry and diagnostics; biochemical markers of metabolic diseases, molecular basis of cardiovascular disease; drug research using animal models.

Microbiology

Research specialization in bacteriology; virology; microbial biotechnology (in collaboration with the Institute of Molecular Biology of the University of Lahore).

Radiological Sciences

Specialization in Diagnostic Radiography, Ultrasonography, Nuclear Medicine and Radiation Therapy



Course FACTS

Programme Length

M.Phil (MS): 2-4 Years
MS leading to PhD: 4-6 Years
PhD: 3-4 Years

Entry Requirements

Min 2nd division or 2.5 CGPA in MBBS/DVM/B.Pharm or Pharm D
MS/M.Phil.* or MSc* or 4-yr BSc in biological sciences disciplines.

(*MPhil/MS degree holders joining the PhD programme will be allowed exemption in some courses. Detailed regulation for MPhil/PhD are placed at annexure III)

Evaluation

Stage I: Short listing on the basis of academic records, work experience, and the results of the Admission Test

Stage II: Interviews of short listed candidates

Course Work

Course work is scheduled during the first 9 months, while the following years are mainly for research, thesis writing & taking advanced level courses. In addition to lectures, tutorials & laboratory exercises, students are trained in protocol writing, paper presentation, data collection & finally conducting a research study in which the faculty members provide all possible support and guidance as advisors.

Location

Defence Road Campus

Recognized by

Higher Education Commission



Department of **PHARMACY**

Faculty of Health Sciences

Mission STATEMENT

The mission of The Department Of Pharmacy, The University Of Lahore is to improve the health and well-being of society at large by educating students and practitioners into providing optimal pharmaceutical care; conducting vital research that advances scientific knowledge, pharmacy practice, and economic development; and providing direct and supportive services to patients, the community and the profession.

The students in the Department of Pharmacy accept their responsibility to improve the health of their communities. They are the leaders of tomorrow and are recognised consistently for their commitment to improve the health of their communities.

INTRODUCTION

The Department Of Pharmacy at University Of Lahore Is a high

consisting of over 100 employees. They are responsible for providing comprehensive programs and services across the health care continuum.

Our vision is to be recognized nationally and internationally for innovation and excellence in pharmacy education, pharmaceutical and health related research, and for its contribution to advancing pharmacy practice.

The department is a leader in pharmacy education with a curriculum designed to prepare Doctor of Pharmacy (Pharm. D) and Master of Philosophy (M. Phil) graduates and post graduates for dynamic careers in pharmacy, pharmaceutical research, health outcomes research and related fields.

Our graduates and post graduates are prepared to play a key role in improving the health of this country by providing unrivalled patient health care.

Courses OFFERED

Doctor of Pharmacy (Pharm. D)

Master of Philosophy (Pharmaceutics, Pharmaceutical Chemistry, Pharmacology, Pharmacognosy)



OUR FACULTY

Mohammad Ashraf
Director Administration

Javed Iqbal
Head of Department

Khawaja Tahir Mahmood
Professor
B.Pharm, M.Pharm, M.
Phil, PhD, LLB, DITL-WTO

Mohammad Ijaz
Associate Professor
M.Phil.(Pharmaceutics)

Dr. Riaz Ahmad
Associate Professor
MBBS

Atiq-ur-Rehman
Associate Professor
M.Phil.(Pharmaceutical Chemistry)

Farooq Saleem
Asst Professor
M.Phil.(Pharmaceutical Chemistry)

Mueen Ahmad Ch.
Lecturer
M.Phil.(Pharmacology)

Muhammad Tariq
Lecturer
M.Phil.(Biochemistry)

Masood-Ur-Rehman Arabi
Lecturer
M.Phil.(Pharmaceutics)

Romeeza Ashraf
Lecturer
M.Phil.(Pharmacology)

Sameera Khurshid
Lecturer
M.Phil.(Pharmacology)

Tahir Ali Chohan
Lecturer
PhD Scholar

Maryam Shabber
Lecturer
Pharm-D

Azeema Tayyab
Lecturer
Pharm-D

Sajid Ali
Lecturer
Pharm-D

Nazia Aslam
Lecturer
Pharm-D

Faryal Masood
Lecturer
Pharm-D

Faiza Qamar
Lecturer
Pharm-D

Ayesha Aslam
Lecturer
Pharm-D

Sherjeel Adnan
Asset Professor
M.Phil.(Pharmaceutics)

Zeeshan Masood
Asst Professor
M.Phil.(Pharmaceutical Chemistry)

Muhammad Hanif KB
Asst Professor
M.Phil.(Pharmaceutical Chemistry)

Malik Saad Ullah
Asst Professor
M.Phil.(Pharmaceutical Chemistry)

Shabbir Ahmed
Asst. Professor
M.Phil.(Pharmaceutical Chemistry)

Usman Saleem
Asst. Professor
M.Phil.(Pharmaceutics)

Muhammad Sarfraz
Asst. Professor
M.Phil.(Pharmaceutics)

Attia Afzal
Asst. Professor
M.Phil.(Pharmaceutics)

Muhammad Usman Bhatti
Asst. Professor
M.Phil.(Pharmacognosy)

Naila Abrar
Lecturer
M.Phil.(Biochemistry)

Nadia Shanawar
Lecturer
M.Phil.(Biotechnology)

Amir Rashid
Lecturer
M.Phil.(Pharmacology)

Shamsul Hassan
Lecturer
PhD Scholar

Waqas Ahmad
Lecturer
M.Phil.(Pharmacology)

Moosa Raza
Lecturer
M.Phil.(Pharmaceutics)

Muhammad Farooq
Lecturer
M.Phil.(Pharmaceutics)

Rashida Manzoor
Lecturer
M.Phil.(Pharmacology)

Muhammad Azeem
Lecturer
Pharm-D

Saima Najm
Lecturer
Pharm-D

Sarah Daud
Lecturer
Pharm-D

Rabia Hassan
Lecturer
Pharm-D

Sadaf Waheed
Lecturer
Pharm-D

Muhammad Zaman
Lecturer
Pharm-D

Saiqa Munir
Lecturer
Pharm-D

Sh. Muhammad Sorosh
Lecturer
Pharm-D

Zeeshan Akber
Lecturer
Pharm-D

Muhammad Asad Saeed
Asst. Professor
M.Phil.(Pharmaceutical Chemistry)

Muhammad Shafeeq-Ur-Rehman
M.Phil.(Pharmacology)

Irfan Hamid
Asst. Professor
M.Phil.(Pharmacology)

Imran Waheed
Asst. Professor
M.Phil.(Pharmacognosy)

Shahzada Khurram Syed
Asst. Professor
M.Phil.(Pharmacology)

Nasir Ali
Lecturer
M.Sc(Mathematics)

Sadia Mushtaq
Lecturer
MS

Farah Abid
Lecturer
M.Phil.(Pharmacology)

Muhammad Azam Tahir
Lecturer
PhD Scholar

Zunaira Nawaz
Lecturer
Pharm-D

Fouzia Latif
Lecturer
Pharm-D

Sana Hanif
Lecturer
Pharm-D

Kanwal Shahzadi
Lecturer
Pharm-D

Night Batool
Lecturer
Pharm-D

OUR FACULTY

Shumaila Arshad

Lecturer

Pharm-D

Shoaib Ahmed

Lecturer

Pharm-D

Khurram Ammir

Lecturer

Pharm-D

Abdul Manan

Lecturer

Pharm-D

Nadia Kanwal

Lecturer

Pharm-D

Nausheen Saba Khalid

Lecturer

Pharm-D

Umbreen Zahra

Lecturer

Pharm-D

Taimoor Ali Shakoori

Lecturer

Pharm-D

Saleha Javed Mughal

Lecturer

M.Sc

Ghullam Shabbir

Lecturer

MA

Ishrat Imran

Lectuer

B-Pharmacy



Doctor of PHARMACY (PHARM.D)

INTRODUCTION

The objective is to train pharmacy practitioners to possess leadership qualities, advanced expertise and clinical experience that enable them to be at the forefront of the pharmacy profession and health care in a variety of settings; institutional, community practice, government, academia, and industry and drug development.

The curriculum emphasized a patient centred course of study and involves a structure that will enable students to develop into reflective practitioners with skills and attitudes to evaluate critically and modify practices in a timely and effective manner.

Career PROSPECTS

The approved Doctor of Pharmacy

Pre-Req COURSES

- Pharmaceutical Chemistry-II(Organic-2)
- Pharmaceutical Biochemistry-II(Biochem-II)
- Pharmaceutics-II (Physical Pharmacy-II)
- Physiology & Histology-II
- Pharmaceutics-III(Pharmaceutical Preparation-I)
- Pharmacology & Therapeutics-I (General-I)
- Pharmaceutics-IV (Pharmaceutical Preparation-II)
- Pharmacology & Therapeutics-II (General-II)
- Pharmacognosy-II
- Pharmaceutical Microbiology-I
- Pathology
- Pharmacology & Therapeutics III (Systemic •Pharmacology-I)
- Pharmacognosy-III
- Pharmacology & Therapeutics-IV (Systemic Pharmacology-II)
- Pharmacognosy-IV

(Pharm.D) curriculum has been designed / formulated to prepare Quality Pharmacists who will have the capacity, up to date knowledge, strong ethical values, behavior, communication, writing and social skills that will enable them to pursue careers in:

Pharmaceutical care in health systems & community environments where appropriate medication usage and patient's safety is paramount.

The Pharmaceutical Industry and its quality systems:

Pharmacovigilance/Patient safety and safe medication usage in community & health care systems Academia and Research.

Managed Patient Care as a

member of multidisciplinary health care team.

Keeping stakeholders the pharmaceutical sector up to date on the implications of WTO TRIPS

Course FACTS

Programme Length

Full-time, 5 Years

Entry Requirements

First Division FSc.(Premedical / A-Level equivalent to 60% of FSc.

Location

Defence Road Campus, Lahore
Islamabad Campus

Recognised BY

Pharmacy Council of Pakistan
Higher Education Commission

- Pharmaceutics-IV (Community Pharmacy)
- Pharmaceutics-VIII (Clinical Pharmacy-I)
- Pharmaceutics-IX (Industrial Pharmacy-I)
- Pharmaceutics-XI(Pharmaceutical Quality & Management-I)
- Pharmaceutics-VII(Hospital Pharmacy-II)
- Pharmaceutics-VIII(Clinical Pharmacy-II)
- Pharmaceutics-IX(Industrial Pharmacy-II)
- Pharmaceutics-X(Biopharmaceutics-II)
- Pharmaceutics-XI(Pharmaceutical Quality & Management-II)
- Pharmaceutical Chemistry-V(Medicinal Chemistry-I)
- Pharmaceutics-XVII(Clinical Pharmacy-III)
- Pharmaceutics-XVIII(Pharmaceutical Technology-I)
- Pharmaceutical Chemistry-V(medicinal Chemistry-II)
- Pharmaceutics-XVII(Clinical Pharmacy-IV)
- Pharmaceutics-XVIII(Pharmaceutical Technology-II)

COURSES

Semester 1	Cr Hr	Semester 2	Cr Hr	Semester 3	Cr Hr	Semester 4	Cr Hr
Pharmaceutical Chemistry - 1 (Organic-1)	4	Pharmaceutical Chemistry - II (Organic-2)	4	Pharmaceutics-III(Pharmaceutical Preparation-I)	4	Pharmaceutics-IV (Pharmaceutical Preparation-II)	4
Pharmaceutical Biochemistry -1 (Biochem-1)	4	Pharmaceutical Biochemistry -II (Biochem-II)	4	Pharmacology & Therapeutics-I (General-I)	4	Pharmacology & Therapeutics-II (General-II)	4
Pharmaceutics - 1 (Physical Pharmacy-1)	4	Pharmaceutics - II (Physical Pharmacy-II)	4	Pharmacognosy-I	4	Pharmacognosy-II	4
Physiology & Histology - I	4	Physiology & Histology - II	4	Pharmaceutical Microbiology-I	4	Pharmaceutical Microbiology-II	4
Anatomy-1	3	Biostatistics	4	Pakistan Studies	3	Islamic Studies	3
Pharmaceutical Mathematics	2						
Semester 5	Cr Hr	Semester 6	Cr Hr	Semester 7	Cr Hr	Semester 8	Cr Hr
Pathology	4	The Computer & its Application in Pharmacy	4	Pharmaceutics-VII (Hospital Pharmacy-I)	3	Pharmaceutics-VII(Hospital Pharmacy-II)	3
Pharmacology & Therapeutics III (Systemic Pharmacology-I)	4	Pharmacology & Therapeutics-IV (Systemic Pharmacology-II)	4	Pharmaceutics-VIII (Clinical Pharmacy-I)	4	Pharmaceutics-VIII(Clinical Pharmacy-II)	4
Pharmacognosy-III	4	Pharmacognosy-IV	4	Pharmaceutics-IX (Industrial Pharmacy-I)	4	Pharmaceutics-IX(Industrial Pharmacy-II)	4
Pharmaceutical Chemistry-III (Instrumentation-I)	4	Pharmaceutical Chemistry IV (Instrumentation-II)	4	Pharmaceutics-X (Biopharmaceutics-I)	4	Pharmaceutics-X(Biopharmaceutics-II)	4
Pharmaceutics-V (Dispensing Pharmacy)	3	Pharmaceutics-IV (Community Pharmacy)	4	Pharmaceutics-XI(Pharmaceutical Quality & Management-I)	4	Pharmaceutics-XI(Pharmaceutical Quality & Management-II)	4
Semester 9	Cr Hr	Semester 10	Cr Hr				
Pharmaceutical Chemistry-V(Medicinal Chemistry-I)	4	Pharmaceutical Chemistry-V (Medicinal Chemistry-II)	4				
Pharmaceutics-XVII(Clinical Pharmacy-III)	4	Pharmaceutics-XVII (Clinical Pharmacy-IV)	4				
Pharmaceutics-XVIII(Pharmaceutical Technology-I)	4	Pharmaceutics-XVIII (Pharmaceutical Technology-II)	4				
Pharmaceutics-XIX(Forensic Pharmacy-I)	3	Pharmaceutics-XIV (Forensic Pharmacy-II)	3				
Pharmaceutics-XX (Pharmaceutical Management & Marketing-I)	3	Pharmaceutics-XX (Pharma Management & Marketing-II)	3				

Master of PHILOSOPHY

INTRODUCTION

Evolutionary as well as revolutionary changes are visible and experienced all over the world in the field of pharmacy education and research. The need, desire and significance of knowledge, skills and new techniques are reshaping education in pharmacy. In this era of globalisation, there is a dire need to take the full benefits from recent advances as well as developments taking place in more developed countries offering high quality education in pharmacy.

The Department of Pharmacy, University of Lahore, believes in the notion "Think Globally, Act Locally".

The post graduate M.Phil. programme has been launched by the Department of Pharmacy in four disciplines, namely, Pharmaceutics, Pharmaceutical Chemistry, Pharmacology, and Pharmacognosy, with the main aim of working in line with the mission of the Higher Education Commission(HEC):

"To facilitate institutions of higher education to serve as an engine of growth for the socio-economic development of Pakistan".

The DOP University of Lahore is fully capable of meeting the three

key challenges (a) **Quality**, (b) **Access & (c) Relevance** to ensure innovative teaching, service and quality research, with the aim of becoming a premier Department of Pharmacy awarding M.Phil. degrees.

Career PROSPECTS

High quality higher pharmacy education delivered in a safe, professional and easy environment at the Department of Pharmacy, The University of Lahore will produce high quality, problem solving pharmacy professionals well equipped with the knowledge, skills and abilities to deliver appropriate, effective and efficient pharmacy services for improving patient care and quality of life by offering workable solutions to problems / major issues in the Health Care System, the Pharmaceutical Industry and its Quality Systems, Academia and Research in the Pharmaceutical Sector.

Course FACTS

Program Length

Full-time, 2 Years

Entry Requirements

Pharm.D or B.Pharmacy

Location

Defence Road Campus

Recognised BY

Higher Education Commission

PHARMACEUTICS

Road MAP

Semester 1	Cr Hr	Semester 2	Cr Hr	Semester 3 & 4	Cr Hr
Advanced Pharmaceutics [Theory]	3	Formulation and Product Development [Theory]	3	Research Work and Thesis	25
Advanced Pharmaceutics [Practicals]	1	Formulation and Product Development [Practicals.]	1		
Biopharmaceutics & Pharmacokinetics [Theory]	3	Pharmacy Practice [Clinical Pharmacy & Pharmaceutical care.] [Theory]	3		
Biopharmaceutics & Pharmacokinetics [Practicals.]	1	Pharmacy Practice [Practicals.]	1		
Microbiology & Molecular Biology [Theory]	3	Biostatistics [Theory]	3		
Microbiology & Molecular Biology [Practicals.]	1	Research Methodology and Special Problems	1		
Seminars	1				

PHARMACEUTICAL CHEMISTRY

Road MAP

Semester 1	Cr Hr	Semester 2	Cr Hr	Semester 3 & 4	Cr Hr
Drug Design & Development [Theory]	3	Combinatorial Chemistry [Theory]	3	Research Work and Thesis	25
Drug Design & Development [Practicals.]	1	Combinatorial Chemistry [Practicals.]	1		
Stability of Drugs and Pharmaceutical Analytical Techniques [Theory]	3	Advance Medicinal Chemistry [Theory]	3		
Stability of Drugs and Pharmaceutical Analytical Techniques [Practicals]	1	Advance Medicinal Chemistry [Practicals.]	1		
Chemistry of Natural Products And Phytochemistry [Theory]	3	Biostatistics [Theory]	3		
Chemistry of Natural Products And Phytochemistry [Practicals.]	3	Research Methodology and Special Problems	1		
Seminars	1				

PHARMACOGNOSY

Road MAP

Semester 1	Cr Hr	Semester 2	Cr Hr	Semester 3 & 4	Cr Hr
Advances in Pharmacognosy [Theory]	3	Phytochemicals of Natural Origin [Theory]	3	Research Work and Thesis	25
Advances in Pharmacognosy [Practicals.]	1	Phytochemicals of Natural Origin [Practicals.]	1		
Bio Synthesis and Biotechnology [Theory]	3	CAM (Complementary and Alternate Medicine). [Theory]	3		
Bio Synthesis and Biotechnology [Practicals.]	1	CAM (Complementary and Alternate Medicine) [Practicals.]	1		
Analytical Techniques in Pharmacognosy [Theory]	3	Research Methodology and Special Problems	1		
Analytical Techniques in Pharmacognosy [Practicals]	1				
Seminar	1				

PHARMACOLOGY

Road MAP

Semester 1	Cr Hr	Semester 2	Cr Hr	Semester 3 & 4	Cr Hr
Pharmacology & Therapeutics [Theory]	3	Pharmacology & Therapeutics-IV [Theory]	3	Research Work and Thesis	25
Pharmacology & Therapeutics-I [Practicals.]	1	Pharmacology & Therapeutics-IV [Practicals.]	1		
Pharmacology & Therapeutics-II [Theory]	3	Pharmacology & Therapeutics-V [Theory]	3		
Pharmacology & Therapeutics-II [Practicals.]	1	Pharmacology & Therapeutics. V [Practicals]	1		
Pharmacology & Therapeutics-III [Theory]	3	Biostatistics[Theory]	3		
Pharmacology & Therapeutics-III [Practicals]	1	Research Methodology and Special Problems	1		
Seminars	1				



Faculty of
**ALLIED HEALTH
SCIENCES**

LAHORE
SCHOOL OF
NURSING

UNIVERSITY
INSTITUTE OF
RADIOLOGICAL
SCIENCES &
MEDICAL IMAGING
TECHNOLOGY

UNIVERSITY
INSTITUTE OF
PUBLIC HEALTH

UNIVERSITY
INSTITUTE OF
PHYSIOTHERAPY

UNIVERSITY
INSTITUTE OF
MEDICAL LAB
TECHNOLOGY

UNIVERSITY
INSTITUTE
OF DIET &
NUTRITIONAL
SCIENCES



LAHORE SCHOOL OF NURSING

Faculty of Health Sciences

Mission STATEMENT

To produce health-oriented nurses rather than disease-oriented nurses by utilising a need based, learning based and community based curriculum. Inculcate an outlook that is conducive to critical thinking, problem solving, and is a step ladder to building a research culture

INTRODUCTION

By the grace of Allah, beginning the BSc. Nursing Programme in the University of Lahore is a great achievement for the Nursing Profession. We hope the first step will be a milestone of the era for the Nursing profession in Punjab. It is Two-Years (Post RN) and Four-Years BSc N degree programme to prepare competent nurses who will develop innovative practical solutions to complex health problems from the scientific perspective.



Courses OFFERED

Four-Year BSc Nursing Degree Program
(BScN)

Two-Year BSc Nursing Degree Program
(BScN - Post RN)

Bachelor of Science in Nursing (Fast Track) **(1-Year BScN)**

Bachelor of Science in Midwifery **(4-Year BScM)**

Licensed Practical Nurse **(LPN's)**

Community Midwifery **(CMW)**

Critical Care Nursing **(CCN)**

Paediatric Nursing **(Paeds)**

Operation Theatre Nursing **(OT Nursing)**

OUR FACULTY

Muhammad Afzal

Principal

MSc Nursing,
MBA Health Management,
MSc Haematology,
BSc Nursing (Post RN),
BSc Microbiology

Ms. Asiya Khanum

Instructor

BSc Nursing (Post RN)
Diploma in Midwifery
Diploma in General Nursing

Muhammad Hussain

Lecturer

BSc Nursing (Post RN)
BHMS (Federal Urdu University)
Diploma in General Nursing

Syeda Kanwal Fatima

Lecturer

MA, ELTL
BA Humanities

Ms. Farzana Iqbal

Instructor

BSc Nursing (Post RN)
Diploma in Midwifery
Diploma in General Nursing

Ms. Sadia Jabeen

Lecturer

MA Education
BA Sociology

Ms. Firdous Hameed

Instructor

BSc Nursing

Ms. Saba Naz

Instructor

BSc Nursing
BA Psychology

Ms. Fozia Andleeb

Instructor

BSc Nursing
BA Education

Ms. Hina Arshad

Instructor

BSc Nursing (Post RN)
Diploma in Midwifery
Diploma in General Nursing

Ms. Kousar Perveen

Instructor

BSc Nursing

Bachelor of Science in NURSING (BScN)

INTRODUCTION

This programme consists of 135 credit hours with 44 courses. After completion of the four year BSc Nursing degree, students will be able to:

- Utilise the nursing process to provide safe, competent, and holistic nursing care to patients/clients in a variety of settings.
- Utilise effective critical thinking and problem solving skills in their professional practice.
- Utilise scholarly skills and the use of scientific methods in critiquing and applying existing nursing theories and research findings in selected practice settings.
- Utilise effective oral and written

COURSES

- Fundamental of Nursing-I
- Microbiology
- Anatomy and Physiology-I
- Biochemistry for Nurses
- English-I
- Computer Skills
- Fundamental of Nursing-II
- Anatomy and Physiology-II
- Community Health Nursing-I
- Applied Nutrition
- English-II
- Islamiat
- Pak. Studies
- Adult Health Nursing-I
- Pathophysiology-I
- Health Assessment-I
- Pharmacology-I
- Mathematics

communication in interpersonal and professional interactions with peers, clients, families, and other professionals.

- Develop leadership skills to promote the development of the profession.

Career PROSPECTS

Graduate (BScN) nurses can work in a variety of practice settings such as hospitals, long-term care facilities, community and public health agencies, ambulatory care centers, Public Health Service, military services, Administration of Medical centers and in any setting where health care services are needed. It includes operation room, critical care and emergency departments as well.

- Adult Health Nursing-II
- Pathophysiology-II
- Health Assessment-II
- Developmental Psychology
- Pharmacology-II
- English-IV
- Nursing Ethics
- Pediatric Health Nursing
- Community Health Nursing-II
- Teaching / Learning: Principles & Practices
- English-V
- Mental Health Nursing
- Introduction to Biostatistics
- Behavioral Psychology
- Epidemiology
- English-VI
- Culture, Health, and Society

Course FACTS

Program Length

Full-time, 4 Years

Entry Requirements

2nd Division FSc (Pre-Medical)

Location

Defence Road Campus

Recognised BY

Pakistan Nursing Council (PNC)

Higher Education Commission

- Introduction to Nursing Theories
- Leadership and Management in Nursing
- Nursing Research
- English-VII
- Community Health Nursing-III
- Nursing Seminar / Role Transition

Elective COURSES

- Accident and Emergency
- Community Health Nursing
- Critical Nursing
- Dental Health Nursing
- Education
- Management
- Mental Health Nursing
- Operation Theatre Nursing

Road MAP

Semester 1	Cr Hr	Semester 2	Cr Hr	Semester 3	Cr Hr	Semester 4	Cr Hr
Fundamental of Nursing-I	4	Fundamental of Nursing-II	4	Adult Health Nursing-I	8	Adult Health Nursing-II	8
Microbiology	3	Anatomy and Physiology-II	3	Pathophysiology-I	2	Pathophysiology-II	3
Anatomy and Physiology-I	3	Community Health Nursing-I	3	Health Assessment-I	2	Health Assessment-II	2
Biochemistry for Nurses	3	Applied Nutrition	1	Pharmacology-I	2	Developmental Psychology	2
English-I	2	English-II	2	Mathematics	1	Pharmacology-II	2
Computer Skills	1	Islamiat	2	English-III	2	English-IV	2
		Pak. Studies	2			Nursing Ethics	1
Semester 5	Cr Hr	Semester 6	Cr Hr	Semester 7	Cr Hr	Semester 8	Cr Hr
Paediatric Health Nursing	7	Mental Health Nursing	6	Critical Care Nursing	7	Community Health Nursing-III	5
Community Health Nursing-II	6	Introduction to Biostatistics	3	Introduction to Nursing Theories	2	Nursing Seminar / Role Transition	2
Teaching / Learning: Principles and Practices	3	Behavioral Psychology	3	Leadership and Management in Nursing	3	Clinical Practicum (elective)	
English-V	2	Epidemiology	2	Nursing Research	3	Accident and Emergency	5
		English-VI	2	English-VII	2	Community Health Nursing	5
		Culture, Health, and Society	2			Paediatric Nursing	5
						Dental Health Nursing	5
						Education	5
						Management	5
						Mental Health Nursing	5



Bachelor of Science in NURSING POST RN (BSCN POST RN)

INTRODUCTION

This programme consists of 68 credit hours with 21 courses. After completion of the two year BSc Nursing, students will be able to:

- a) Utilise the nursing process to provide safe, competent, and holistic nursing care to patients/clients in variety of settings.
- b) Utilise effective critical thinking and problem solving in their professional practice.
- c) Utilise scholarly skills and the use of scientific methods in critiquing and applying existing nursing theories and research findings in selected practice settings.
- d) Utilise effective oral and written communication in interpersonal

and professional interactions with peers, clients, families, and other professionals.
e) Develop leadership skills to promote the development of the profession.

Career PROSPECTS

Graduate (BScN) nurses can work in a variety of practice settings such as hospitals, long-term care facilities, community and public health agencies, ambulatory care centers, Public Health Service, military services, Administration of Medical centers and in any setting where health care services are needed. It includes operation room, critical care and emergency departments as well.

Course FACTS

Program Length

Full-time, 2 Years

Entry Requirements

Three Years General Nursing Diploma, One Year Midwifery / One Year Specialization

Location

Defence Road Campus

Recognised BY

Pakistan Nursing Council (PNC)
Higher Education Commission

Road MAP

Semester 1	Cr Hr	Semester 2	Cr Hr	Semester 3	Cr Hr	Semester 4	Cr Hr
Advance Concept in Clinical Nursing-I	5	Advance Concept in Clinical Nursing-II	5	Advanced Concept in Community Health Nursing	6	Academic Writing (English)	2
Communication Skill (English)	2	Introduction to Biostatistics	3	Applied Nutrition	1	Advanced Concept in Mental Health Nursing	6
Computer Skills		Nursing Research	3	Ethical & Professional Development in Health Care	3	Electives	
Health Assessment	3	Pathophysiology	4	Leadership and Management in Nursing	3	Accident and Emergency	7
Microbiology	3	Writing for Research (English)	3	Professional Writing (English)	3	Community Health Nursing	7
Physics & Biochemistry	3			Reproductive Health	1	Paediatric Nursing	7
Teaching & Learning						Dental Health Nursing	7
						Education	7
						Management	7

Bachelor of Science in NURSING (FAST TRACK) (1-YEAR BScN)

INTRODUCTION

This programme consists of 45 credit hours with 8 courses. After completion of One Year BSc Nursing students will be able to:
a) Utilizing the nursing process to provide safe, competent, and holistic nursing care to patients/clients in variety of settings.
b) Utilizing effective critical thinking and problem solving in their professional practiced.
c) Utilizing scholarly skills and the use of scientific methods in critiquing and applying existing nursing theories and research findings in selected practice settings.
d) Utilizing effective oral and written communication in

interpersonal and professional interactions with peers, clients, families, and other professional.
e) Developing leadership skills to promote development of the profession.

Career PROSPECTS

Graduate (BScN) nurses can work in a variety of practice settings such as hospitals, long-term care facilities, community and public health agencies, ambulatory care centers, Public Health Service, military services, Administration Medical centers and in any setting where health care services are needed. It includes operation room, critical care and emergency departments as well.

Course FACTS

Program Length

Full-time, 1 Year

Entry Requirements

Diploma in RN & RM with minimum of 3 years of clinical experience DWA & DTA with min 5 yrs Teaching experience after DTA & DWA Valid / Active PNC license. Age limit is 45 years

Location

Defence Road Campus

Road MAP

Semester 1	Cr Hr	Semester 2	Cr Hr	Semester 3	Cr Hr
Advance concept in Nursing I	10	Advanced Concept in Community Health Nursing	8	Educational methodologies / Introduction to health professional education	12
Health Assessment	4	Academic English	3		
Functional English	2	Nursing Research	3		
		Introduction to Biostatistics	3		

Bachelor of Science in MIDWIFERY (4-YEAR BScM)

INTRODUCTION

Programme consists of 131 credit hours with 45 courses. After the degree students will be able to:

- Recognize signs of pregnancy
- Examine a woman & determine the progress of pregnancy
- Define her role in provision of care to woman during her maternity cycle
- Manage minor discomforts of pregnancy
- Determine when a woman is in true labour
- Prepare the environment, material

needed for delivery by herself & by mother to ensure clean & safe delivery

Career PROSPECTS

Graduate midwives can work in a variety of practice settings such as hospitals, long-term care facilities, community and public health agencies, ambulatory care centers, Public Health Service, military services, Administration Medical centers and in any setting where health care services are needed. It includes operation room, critical care and emergency departments as well.

Course FACTS

Program Length
Full-time, 4 Years
Entry Requirements
2nd Division FSc (Pre-Medical)
Location
Defence Road Campus

Road MAP

Semester 1	Cr Hr	Semester 2	Cr Hr	Semester 3	Cr Hr	Semester 4	Cr Hr
Introduction to Midwifery	4	Midwifery Practice and Normal Birth	5	Paediatric Health	5	Sexual & Reproductive Health in Midwifery	2
Microbiology	3	Anatomy and Physiology (Embryology)	3	Pathophysiology-I	2	Pathophysiology-II	3
Anatomy and Physiology-I	3	Sociology and Health	2	Health Assessment	3	Care of the Neonate	2
Biochemistry for Nurses & Midwives	3	Applied Nutrition	1	Pharmacology for Nurses & Midwives	2	Family Planning	2
English-I	3	English-II	2	Mathematics	1	Developmental Psychology	2
Computer Skills	2	Islamiat	2	English-III	2	English-IV	2
Teaching & Learning, Principles and Practices	1	Pak.Studies	2	Pregnancy and Child Birth	2	Ethical & Professional Development in Health Care	3
Semester 5	Cr Hr	Semester 6	Cr Hr	Semester 7	Cr Hr	Semester 8	Cr Hr
Midwifery and Public Health	4	Introduction to Biostatistics	3	Promoting, Supporting & Protecting Breast Feeding	2	Midwifery Sphere of Practice and Model of Care	2
Complicated Child Bearing Obstetric and Neonate Management	3	Behavioral Psychology	3	Leadership and Management in Midwives	3	Evidence Based Project (EBP)	4
English-VI	3	English-VI	2	Research for Nurses and Midwives	3	Clinical Placement	10
Gynae (Obstetric) Disorders	3	Nursing and Midwifery & the Law	3	English-VII	2		
		Health Management	2	Clinical Placement	6		

LICENSED PRACTICAL NURSE (LPN's)

INTRODUCTION

This 2 years programme consists of 1740 hours with 13 courses. After completion of 2 Yr Licensed Practical Nursing students will be able to:

- Integrate evidence based science and art of nursing into clinical practice to provide holistic care for the individuals, families and communities.
- Meet the future challenges of changes and technology confronting health care in the 21st century.
- Utilize effective interpersonal and communication skills, while

dealing with peers, patients, families, communities and other professionals.
d) Participate in screening, case identification and management of common minor illness and injuries

Career PROSPECTS

LPN can work in a variety of practice settings such as hospitals, long-term care facilities, community & public health agencies, ambulatory care centers, Public Health Service, military services, Administration Medical centers & in any setting where health care services are needed. It includes operation room, critical care & emergency departments as well.

Course FACTS

Program Length
Full-time, 2 Years
Entry Requirements
Matric Sc.2nd Div (Females) FSc / FA
Location
Defence Road Campus

Road MAP

Year 1	Hrs	Microbiology	20	Year 2	Hrs	Medical Surgical Nursing	400
English	100	Behavior Sciences	40	English	100	Pediatric Nursing	210
FON /Ethics/ history of nursing	680	Islamiat / Ethics	60	Community Health Nursing/ Nutrituion	100	Pak Studies	40
Arabic & P hys iol ogy	100	C omp ute r S kils	50	Pharmacology/ Math	40		



COMMUNITY MIDWIFERY (CMW)

INTRODUCTION

This programme consists of 16 weeks preliminary training, 44 weeks class room study / clinical, 8 weeks self study, 4 weeks annual leave & 4 weeks examination. After completion students will be able to:

- Identify and management of normal and complications of pregnancy, labour and puerperium in the hospital, the health center, and at home, in urban and rural settings
- Early detection of abnormalities throughout maternity cycle, taking decisions for required action in each individual case & implementing

decision

- Care to normal & premature neonate
- Respecting at all times women's right to life and health, & contributing towards the attainment of these rights

Career PROSPECTS

CMW can work in, community health centre, maternal and child health centre, basic health unit and public health agencies, where health care services are needed.

Course FACTS

Program Length
18 Months Full Time
Entry Requirements
Matric Science 40% (Females)
Location
Defence Road Campus

Road MAP

Preliminary Training Session (16 Weeks)	Hrs	Pharmacology	26	Evaluation & self study	122	Year 1	Hrs
Orientation	72	First aid	30			Midwifery	1600
Anatomy & Physiology	60	Fundamental of nursing	210			Projects/books/reports/demonstrations	96
Microbiology	26	Leadership & management	20			Evaluation	104



CRITICAL CARE NURSING (CCN)

INTRODUCTION

This programme consists of 3 modules. After completion of training nurses will be able to:

- Prioritize activities (A,B,C,D,E), procedures for resuscitation and stabilization and the relationship between treatment intensity and clinical benefit
- Recognize common clinical patterns and how they indicate impending cardiopulmonary arrest, circulatory shock, respiratory failure and need for resuscitation
- Organize the patient data for diagnostic or therapeutic interventions.
- Protect patients' rights, privacy, dignity and respect
- Evaluate ethical aspects of care and end of life issues

- Review literature & acquire new information from appropriate sources
- Communicate effectively with patients, families and healthcare providers, comprehending the value of teamwork (pharmacy, nursing, respiratory therapy), compassion and clarity in the ICU setting
- Assess illness severity and appropriate patient disposition
- Recognize personal limitations and request appropriate consultations
- Evaluate a patient's response to critical care interventions to generate new hypotheses and diagnostic/treatment strategies.

Career PROSPECTS

Critical care nurse can work in a hospital setting, wherever critically

ill patients are found — intensive care units, pediatric ICUs, neonatal ICUs, cardiac care units, cardiac catheter labs, telemetry units, progressive care units, emergency departments and recovery rooms. Increasingly, critical care nurses work in healthcare, organizations, nursing schools, outpatient surgery centers and clinics.

Course FACTS

Program Length
1 Year, Full Time
Entry Requirements
Diploma in General Nursing, PNC Reg
Location
Defence Road Campus

Road MAP

Foundation (2 Weeks)	Hrs	Orientation	10	Year 1	Clinical
		Anatomy & Physiology	60	Critical care (Theory)	Evaluation



PAEDIATRIC NURSING (Paeds)

INTRODUCTION

This programme consists of 3 modules. After completion of training nurses will be able to:

- Generate appropriate differential diagnoses for acutely ill patients.
- Recognize and treat respiratory distress, altered mental status, & hemodynamic deterioration in pediatric patients.
- Prioritize patient care responsibilities appropriately.
- Actively participate in patient care and attending rounds.
- Coordinate care for inpatient pediatric patients with consultants & ancillary services.
- Efficiently prepare & accept sign-outs for patients on his/her service.

Career PROSPECTS

Paediatric Nurse can work in a healthcare setting that serves pediatric patients. This setting could be a primary care and acute care services.

Course FACTS

Program Length

1 Year, Full Time

Entry Requirements

Diploma in General Nursing, PNC Reg

Location

Defence Road Campus

Road MAP

Foundation (2 Weeks)	Hrs	Orientation	10	Year 1	Clinical
Anatomy & Physiology	60	Paediatric Nursing (Theory)		Evaluation	



OPERATION THEATRE NURSING (OT NURSING)

INTRODUCTION

This programme consists of 3 modules. After completion of training nurses will be able to:

- Assess physical, psychological and psychosocial needs of the client in the operation theatre environment
- Monitor vital sign of client
- Manage patent airway, performing tracheal, oral & nasal suctioning as required
- Adequate chest physiotherapy to mobilize the secretions
- Administer oxygen
- Monitor fluid electrolyte balance intravenous canalization, administer intravenous fluid.
- Monitor and record of intake and output of patient

- Administer drugs oral, sublingual, intravenous, intradermal, subcutaneous, intramuscular, intratracheal, intracranial etc
- Administer drugs & fluids via infusion pumps

Career PROSPECTS

Operation Theatre Nurse can work in a hospital setting, wherever critically ill patients are found - intensive care units, pediatric theatre, neonatal theatre, cardiac theatre, emergency theatre and recovery rooms.

Course FACTS

Program Length

1 Year, Full Time

Entry Requirements

Diploma in General Nursing, PNC Reg

Location

Defence Road Campus

Road MAP

Foundation (2 Weeks)	Hrs	Orientation	10	Year 1	Clinical
Anatomy & Physiology	60	Paediatric Nursing (Theory)		Evaluation	



University Institute of **RADIOLOGICAL SCIENCES & MEDICAL IMAGING TECHNOLOGY** (UIRSMIT)

Faculty of Allied Health Sciences

Mission STATEMENT

a) Enable students to develop the cognitive, effective and psychomotor skills needed by an entry level radiographer/sonographer/sonologist, as prescribed in the professional curriculum.

b) Provide a liberal arts and sciences component which will broaden the student's knowledge and understanding into areas beyond the Radiology Curriculum.

c) Provide an opportunity for students to achieve a high degree of information literacy, including the ability to seek and use information resources for problem-solving, critical thinking and professional values, such as those outlined in the American Society of Radiologists.

d) Practice set standards for Medical Imaging and Radiology.

e) Prepare students to pass

examination and qualify for regional licensure.
f) Demonstrate a high degree of student success within the curriculum, as evidenced by low attrition & high graduation rates.

INTRODUCTION

13 years ago, we started the Afro-Asian Institute of Medical Sciences with a view to providing international level education in the field of Ultrasound. The Afro-Asian Institute has more than 25 branches all over the world. The main courses offered by this Institute were the MSc and PhD in Ultrasound and the ARDMS. In April 2011, we began work as a separate campus of the university, based at Shadman, Lahore.

We offered basic courses in Ultrasound, a Post Graduate Diploma in Ultrasound and an M.Phil. in 5 parallel tracks in Ultrasound for the MBBS in the first phase under the umbrella of the University of Lahore. We later introduced the BSc, MSc in Medical Imaging Technology

and the BSc & MSc in Medical Ultrasound Technology. In February 2012 with more than 100 registered students, this institute was merged into the main University campus. In the near future, we will introduce PhD programs in the fields of Ultrasound and Radiology.

Courses OFFERED

BSc in Medical Ultrasound Technology, Medical Imaging Technology

MSc in Medical Ultrasound Technology, Medical Imaging Technology

**M.Phil in Ultrasound
PhD in Ultrasound**

**6 Months Certificate in
Medical Ultrasound Technology**

**1 Year Diploma in Medical
Ultrasound Technology**

**6 Months Post Graduate
Diploma in Medical Diagnostic
Ultrasound**



OUR FACULTY

Prof. Dr. Syed Amir Gilani

Dean
MBBS, PhD in Ultrasound (Sudan),
PhD in Ultrasound (Swiss)

Dr. Abdul Qayyum

Director Academic Affairs
MBBS,
M.Phil in Ultrasound

Name: Dr. Tauqeer Ahmad Abbasi

Sr. Lecturer
MBBS,
PGD in Ultrasound (Canada),
M.Sc Ultrasound (Sudan), RDMS
(USA)

Dr. Tauseef Qamar

Sr. Lecturer
MBBS

Dr. Muhammad Usman

Assistant Professor
MBBS (Pb)
FCPS (Radiology)
FRCP (II-B)

Dr. Naela Faisal Khan

Lecturer
MBBS,
PDD in Ultrasound

Dr. Meena Sultan Choudry

Lecturer
MBBS,
RDMS (USA)

Sobia Sajjad Khan

Lecturer
MBBS, RDMS (USA)

Local Visiting

Prof. Dr. M. H. Bokhari

Consultant Pathologist,
KEMU, Lahore MBBS (Pb)
FCPS (Pathology)
PhD (Pathology)

Dr. Shahzad Karim Bhatti

Consultant Radiologist
MBBS (Pb)
MCPS (Radiology)

Dr Mazhar Mushtaq

MD (Hungary) M.Phil
(Biochemistry)
PhD (Korea) Associate Prof.
Biochemistry

Dr. Mussarat Hasan

MBBS (Pb) SMAIUM (USA)
Consultant Sonologist
Institute of Ultrasound Training,
Karachi.

Dr Muhammad Nafees

MBBS (Pb)
MCPS (Radiology)
DMRD
Consultant Radiology Karachi

Dr. Zahoor Ahmed

MBBS (Pb)
DMRD (Pb)
MCPS (Radiology)
Islamabad, Pakistan

Dr. Syed Wadood Ahsan

MBBS (Pb)
DRMRD (Punjab)
Consultant Radiologist, Ahsan
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Dr. Fazeel U Zaman Alvi

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MCPS (FM)
DU (PK), City Ultrasound,
Abbotabad

Dr. Nazia Fazal

MBBS (Pb)
M.Sc (Ultrasound)
RDMS (USA)
Department of Radiology
Queen Elizabeth Hospital,
Woolwich

International Visiting Faculty

Prof. Lubos Hrazdira

M.D, PhD, University of Brno,
Czech Republic

Dr. Khawaja Iftikhar

MBBS (Pb)
DMRD (Punjab)
MCPS (Radiology)
FCPS (Radiology)
Consultant Radiologist
Military Hospital, Abu Dhabi, UAE

Prof. Guido C Robotti

M.D (Radiology)
Consultant Radiologist
Regional Hospital Lugano,
Switzerland.

Prof. Dr Dana Fodar

M.D (Rheumatology),
PhD Consultant Rheumatologist
Cluj Napoca University, Romania,
University of Brno, Czech Republic.

Dr. Mukhtar Alam Ansari

MBBS (Pb)
MD (Radiology)
PhD (Japan)
Consultant Radiologist
University of Kathmandu, Nepal

Dr. M. Awadulla Musa

M.Sc, PhD (Swiss)
Head of Radiology
Alghad International College
of Applied Medical Science,

Dr. Nasir Hameed

MBBS (Pb)
M. Phil (Radiology)
Radiology Department,
Leicester University Hospitals,
Leicester UK

Bachelor of Science in MEDICAL ULTRASOUND TECHNOLOGY (BScMUT)

INTRODUCTION

This programme is introduced for the first time in Pakistan. It is designed with the needs of healthcare institutes in mind. This course will enable students to cope with the rapid advancements in the field of Ultrasound.

Career PROSPECTS

This professional programme aims to provide the student community with the latest techniques in the field of Ultrasound from around the world.

After completing this programme, students can move onto the Masters in Ultrasound Technology or can work as an Assistant to a Radiologist in the Radiology Department of a Hospital.

Course FACTS

Program Length
2 Years

Entry Requirements
For FSc or Equivalent

Location
Raiwind Road Campus

Recognised BY

Higher Education Commission

Master of Science in MEDICAL ULTRASOUND TECHNOLOGY (MScMUT)

INTRODUCTION

This programme is introduced for the first time in Pakistan. It is designed with the needs of healthcare institutes in mind. This course will enable students to cope with the rapid advancements in the field of Ultrasound.

Career PROSPECTS

This professional programme aims to provide the student community with the latest techniques in the field of Ultrasound from around the world.

After completing this program, students can move onto the M.Phil. in Ultrasound/Radiology or they can get jobs in a Radiology department as a "Technologist".

Course FACTS

Program Length
2 Years

Entry Requirements
For BSc or Equivalent

Location
Raiwind Road Campus

Recognised BY

Higher Education Commission

Road MAP

Semester 1 (16 week)	Cr Hr	Semester 2 (16 week)	Cr Hr	Semester 3 (16 week)	Cr Hr	Semester 4 (16 week)	Cr Hr
Basic Anatomy	4	Obstetrical Ultrasound	6	Medical Ethics.	2	Advances in Ultrasound	5
Applied Anatomy	3	Abdominal Ultrasound	6	Small Parts Ultrasound	3	Interventional Ultrasound	4
Ultrasound Physics & Instrumentation	4	Gynaecological Ultrasound	5	Doppler Ultrasound	3	Fetal Medicine Ultrasound	5
Basic Physiology	2			Vascular Ultrasound	5	Pak.Studies & Islamiyat	3
Applied Physiology	2			Musculoskeletal Ultrasound	4		
Applied Pathology	2						

Road MAP

Semester 1 (16 week)	Cr Hr	Semester 2 (16 week)	Cr Hr	Semester 3 (16 week)	Cr Hr	Semester 4 (16 week)	Cr Hr
Ultrasound Physics & Instrumentation	5	Obstetrical Ultrasound	5	Research M. & Statistics.	5	Research	12
Applied Anatomy	4	Applied Pathology	4	Research	7		
Applied Physiology	4	Applied Doppler	4				
Abdominal Ultrasound	4	Vascular Ultrasound	4				
Small Parts Ultrasound	2	Musculoskeletal Ultrasound	2				
Gynaecological Ultrasound	4	Advances in Ultrasound	4				

Bachelor of Science in MEDICAL IMAGING TECHNOLOGY (BSMIT)

INTRODUCTION

This programme is introduced for the first time in Pakistan. It is designed with the needs of healthcare institutes in mind. This course will enable students to cope with the rapid advancements in the field of Ultrasound.

Career PROSPECTS

This professional programme aims to provide the student community with the latest techniques in the field of Ultrasound from around the world.

After completing this programme, students can move onto the Masters in Ultrasound Technology or can work as an Assistant to a Radiologist in the Radiology Department of a Hospital.

Course FACTS

Program Length
2 Years

Entry Requirements
FSc or Equivalent

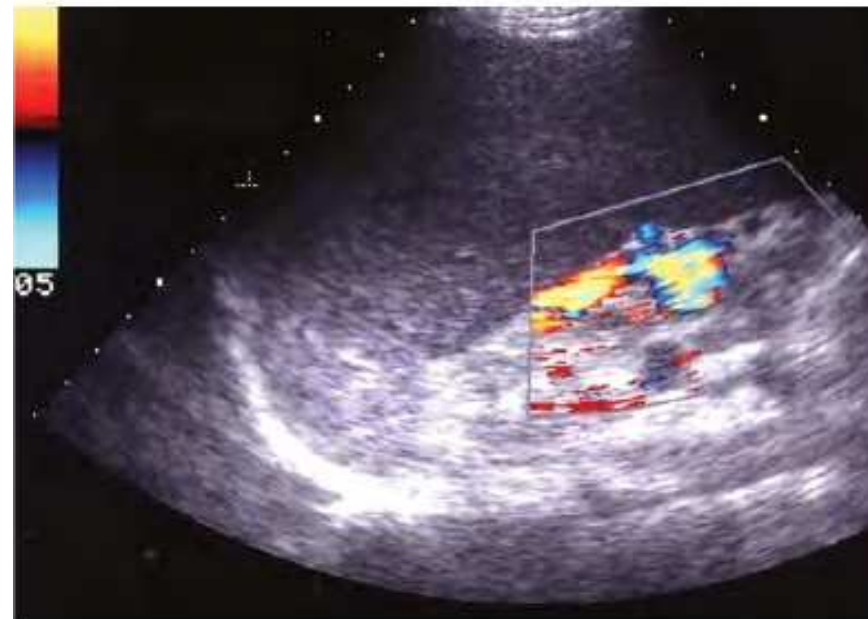
Location
Raiwind Road Campus

Recognised BY

Higher Education Commission

Road MAP

Semester 1 (16 week)	Cr Hr	Semester 2 (16 week)	Cr Hr	Semester 3 (16 week)	Cr Hr	Semester 4 (16 week)	Cr Hr
Basic Anatomy	4	Medical Ethics.	5	Gynaecological Ultrasound	5	Radiation Sciences and Technology	3
Applied Anatomy	3	Applied Physiology	4	Musculoskeletal Ultrasound	3	General Radiology	4
Medical Imaging Physics & Instrumentation	4	Obstetrical Ultrasound	8	Basics of Doppler Ultrasound	3	Interventional Radiology	5
Basic Physiology	2			Abdominal Ultrasound	4	Small parts Ultrasound	5
Basic Biochemistry	2			Computer Education	2		
Basic Pathology	2						



Semester 5 (16 week)	Cr Hr	Semester 6 (16 week)	Cr Hr	Semester 7 (16 week)	Cr Hr	Semester 8 (16 week)	Cr Hr
Applied Medicine	3	Computed Tomography (CT)	7	Magnetic Resonance Imaging (MRI).	6	Nuclear Medicine	3
Applied Surgery	3	Mammography Special Radiological Techniques	7	Medical Imaging in Emergency Medicine	2	Advances in Radiology	4
Applied Pathology	3	Angiography and Cardiac Imaging	3	Vascular Ultrasound	4	Research Methodology and Statistic	5
Clinical Pharmacology	3			Behavioural Sciences	3	Research Project	5
Echocardiography	3			Islamiyat & Pakistan studies	2		
Patient Care	2						

Masters in MEDICAL IMAGING TECHNOLOGY (MSMIT)

INTRODUCTION

This programme is equal to a M. Phil. This course was introduced for the first time in Pakistan in 2006. It was designed with the needs healthcare institutes' Radiology Departments in mind. The course will enable students to cope with rapid advancement in the field of Medical Imaging Technology e.g. CT, MRI, Ultrasound etc.

Career PROSPECTS

This professional programme aims to provide the student community with the latest techniques in the field of Ultrasound from around the world.

After completing this programme, students can move onto the PhD in Radiology or can work in a Radiology department as a "Senior Technologist".

Course FACTS

Program Length
2 Years

Entry Requirements
BS or Equivalent

Location
Raiwind Road Campus

Recognised BY

Higher Education Commission

Road MAP

Semester 1 (16 week)	Cr Hr	Semester 2 (16 week)	Cr Hr	Semester 3 (16 week)	Cr Hr	Semester 4 (16 week)	Cr Hr
Medical Imaging Physics & Instrumentation	2	Obstetrical Ultrasound	5	Research Methods. & Statistics.	2	Research	17
Applied Anatomy	2	Applied Pathology	4	Medical Ethics	3		
Applied Physiology	2	Applied Doppler	8	Research	12		
Abdominal Ultrasound	2	Vascular Ultrasound	5				
Small Parts Ultrasound	1	Musculoskeletal Ultrasound	4				
Gynaecological Ultrasound	2	Angiography	8				
Conventional Radiography	2	Interventional Radiology	5				
Basics of CT	2	Brain CT & MRI	4				
Basics of MRI	2	Chest CT & MRI	8				
		Abdominal CT & MRI	5				
		Locomotors System CT and MRI	4				

PhD Degrees

INTRODUCTION

This is 4 Years full time PhD program as detailed below:

- PhD Ultrasound Technology (Course Work) - Pakistani Nationals
- PhD Ultrasound Technology (Course Work) - Foreign Students
- PhD Ultrasound Technology (Sandwich Program) - Pakistani Nationals
- PhD Ultrasound Technology (Sandwich Program) - Foreign Students
- PhD Medical Imaging Technology (Course Work) - Pakistani Nationals
- PhD Medical Imaging Technology (Course Work) - Foreign Students
- PhD Medical Imaging Technology (Sandwich Program) - Pakistani Nationals
- PhD Medical Imaging Technology (Sandwich Program) - Foreign Students

Course FACTS

Program Length

Four Years, Morning/Afternoon Session

Entry Requirements

M.Sc or equivalent

Location

Raiwind Road Campus

Recognised BY

Higher Education Commission



Certificate in MEDICAL ULTRASOUND TECHNOLOGY (CMUT)

INTRODUCTION

This programme is introduced for the first time in Pakistan. It is designed with the needs of healthcare institutes in mind. This course will enable students to cope with the rapid advancements in the field of Ultrasound.

Career PROSPECTS

This professional programme is for the community of Non-Physicians who have their own clinics or private set-ups and want to improve their skills in the field of Ultrasound. This course will fulfill that requirement and provide students with the latest techniques in the field of Ultrasound from around the world. After completing the course, they will be able to scan their own private patients.

Course FACTS

Program Length
6 Months

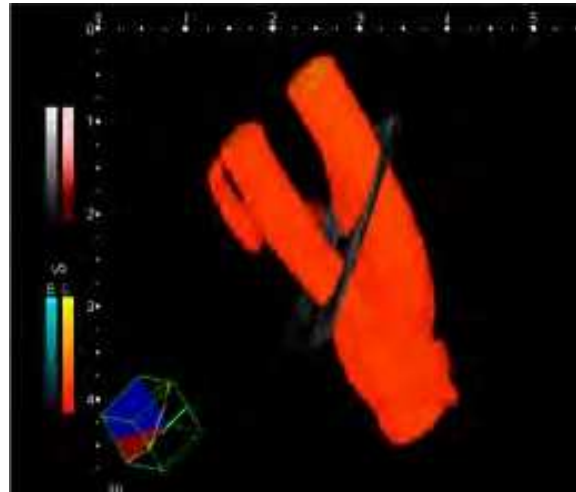
Entry Requirements
DHMS, LHV, NURSES, FA, FSc or Equivalent

Location
Raiwind Road Campus

Recognised BY
Higher Education Commission

Road MAP

Semester 1 (16 week)	Cr Hr
Ultrasound Physics & Instrumentation	2
Obstetrical Ultrasound	4
Abdominal Ultrasound	3
Gynaecological Ultrasound	3
SmallPartsUltrasound	2
Basics of Doppler Ultrasound	2
Basics of Vascular Ultrasound	2
Basics of Musculoskeletal Ultrasound	2



Diploma in MEDICAL ULTRASOUND TECHNOLOGY (DMUT)

INTRODUCTION

This programme is introduced for the first time in Pakistan. It is designed with the needs of healthcare institutes in mind.

The course will enable students to cope with rapid advancements in the field of Ultrasound.

Career PROSPECTS

This professional programme is for the community of Non-Physicians who have their own clinics or private set-ups and want to improve their skills in the field of Ultrasound. It will fulfill that requirement and provide students with the latest techniques in the field of Ultrasound from around the world. After completing the course they will be able to scan their own private patients.

Course FACTS

Program Length
1 Year

Entry Requirements
DHMS, LHV, NURSES, FA, FSc or Equivalent

Location
Raiwind Road Campus

Recognised BY
Higher Education Commission

Road MAP

Semester 1 (16 week)	Cr Hr	Semester 2 (16 week)	Cr Hr
Ultrasound physics & instrumentation	4	Medical Ethics.	2
Obstetrical Ultrasound	5	Small Parts Ultrasound	3
Abdominal Ultrasound	4	Doppler Ultrasound	4
Gynaecological Ultrasound	4	Vascular Ultrasound	4
		Musculoskeletal Ultrasound	4



Centre of Research in Molecular Medicine (CRiMM)

RADIOLOGICAL RESEARCH CENTRE (RRC)

Head of Department

PROF. DR. NAWAZ ANJUM

MBBS, Diplomate of American Board

M.Phil in DIAGNOSTIC RADIOLOGY

INTRODUCTION

This is 2 Years full time M.Phil degree in diagnostic radiology running under supervision of renowned radiologist Prof. Dr. Nawaz Anjum.

Course FACTS

Program Length

Two Years, Morning / Afternoon Session

Entry Requirements

MBBS / MD or equivalent & 18 CHR
Course in basics of Radiology

Location

Raiwind Road Campus

Recognised BY

Higher Education Commission

M.Phil in ULTRASOUND

INTRODUCTION

This is 2 Years full time M.Phil in medical diagnostic ultrasound in 5 Parallel Tracks which are:

M.Phil in General Ultrasound (M.Phil-GU)

M.Phil in Obstetrical and Gynecological Ultrasound (M.Phil-OGU)

M.Phil in Fetal Medicine Ultrasound (M.Phil-FMU)

M.Phil in Vascular Ultrasound (M.Phil-VU)

M.Phil in Musculoskeletal Ultrasound (M.Phil-MU)

Course FACTS

Program Length

Two Years, Morning / Afternoon Session

Entry Requirements

Physicians (MBBS / MD or equivalent)

Location

Raiwind Road Campus

Recognised BY

PhD Degrees

INTRODUCTION

This is 4 Years full time PhD program as detailed below:

- PhD Diagnostic Ultrasound (Course Work) - Pakistani Nationals
- PhD Diagnostic Ultrasound (Course Work) - Foreign Students
- PhD Diagnostic Ultrasound (Sandwich Program) - Pakistani Nationals
- PhD Diagnostic Ultrasound (Sandwich Program) - Foreign Students

Course FACTS

Program Length

Four Years, Morning/Afternoon Session

Entry Requirements

M.Phil / FCPS, or equivalent

Location

Raiwind Road Campus

Recognised BY

Higher Education Commission



Post Graduate Diploma MEDICAL DIAGNOSTIC (PGDU)

INTRODUCTION

This is 6 Months full time Post Graduate Diploma in medical diagnostic ultrasound.

ROAD MAP

Semester 1	Cr Hr
Ultrasound Physics & Instrumentation	4
Abdominal Ultrasound	3
Obstetrical Ultrasound	4
Gynaecological Ultrasound	3
Small Parts Ultrasound	2

Course FACTS

Program Length

6 Months

Entry Requirements

MBBS/MD or Equivalent

Location

Raiwind Road Campus

Recognised BY

University Institute of **PUBLIC HEALTH**

Faculty of Allied Health Sciences

INTRODUCTION

We are offering two Programms of two year duration each:

- **MASTER OF INTERNATIONAL HEALTH (MIH)**
- **MASTER OF PUBLIC HEALTH (MPH)**

Course **FACTS**

Entry Requirements
MBBS/ BDS or Equivalent

Recognised **BY**

Higher Education Commission
Pakistan Medical & Dental Council



University Institute of **PHYSIOTHERAPY**

Faculty of Allied Health Sciences

INTRODUCTION

We are offering five year degree program:

- **DOCTOR OF PHYSICAL THERAPY (DPT)**

Course **FACTS**

Entry Requirements
FSc (Pre Medical)

University Institute of **DIET & NUTRITIONAL SCIENCES**

Faculty of Allied Health Sciences

INTRODUCTION

We are offering four year degree program:

- **BS DIET & NUTRITIONAL SCIENCES**

Course **FACTS**

Entry Requirements
FA / FSc or Equivalent



University Institute of **MEDICAL LAB TECHNOLOGY**

Faculty of Allied Health Sciences

INTRODUCTION

We are offering four year degree program:

- **BS MEDICAL LAB TECHNOLOGY**

Course **FACTS**

Entry Requirements
FSc (Pre Medical)

**LAHORE
BUSINESS
SCHOOL**

LahoreBusinessSchool

LAHORE BUSINESS SCHOOL

Faculty of Management Sciences

Mission STATEMENT

LBS will become the centre of excellence in business education, research and case study development. Our experience of over ten years in offering business education, research and successful graduate placement profiles, gives us the confidence and motivation to offer our education services to an ever wider audience.

LBS will offer industry relevant business education that will benefit both students and industry.

We will pursue quality education and serve our customers to the best of our abilities. We understand the significance of academic & industry liaison, and will ensure that this cooperation is maintained to benefit our students.

INTRODUCTION

The Faculty of Management Sciences, Lahore Business School has served the students of Business Administration for the last 10 years. Our undergraduate, post graduate and research degrees are very popular among students who wish to develop a professional career. Our aim is to develop competent managers and business leaders with creative direction through our programmes. LBS is a creative hub of management thinking and an inspirational place to study where students are encouraged and motivated to find and achieve their potential. We employ a modern and highly creative curriculum to suite the aspirations and strengths of our students' future employers.

Our graduate professionals are able to make a direct impact not just on the businesses or consumers they serve, but also to society in general. Students are able to develop a creative yet critical thinking approach, inspire people, be decisive and respond to change. Professors at LBS engage the students to promote their unique skills and abilities, pushing them to maximize their potential. It's our aim to make students employable or inspire them to set up their own business. We equip students with all the right

perform better at a personal level. It is this approach that has allowed us to develop our own unique style of teaching, which inspires our students to make their dreams become reality.

Supportive Learning Environment Learning happens best in a supportive environment, and at LBS, we aim to provide students with that friendly and supportive environment. That is why our staff were classed as friendly, accessible and supportive in our recent student survey. The LBS campus has purpose built, air conditioned class rooms. The LBS library has over 8000 titles, 20 international journals and magazines in a comfortable environment for learning and research. The state of the art student café building and facility offers an impressive range of food, beverages and seating..

Opportunities for Career, a Business or Further Studies Our degree programs are not generic; they have been designed to prepare students for a career in today's fast paced world of business, management and design. Lahore Business School degrees may also equip you to start your own business. Our degree programmes offer our students the skills and confidence to develop a business,

people and resources, and write and implement business plans. Students can also take part in Enterprise, Innovation & Research (EIR) events, to help them develop key skills for business management. Students get all the help they need from the staff at LBS to help them make their ideas reality. Alternatively, students may opt for further studies. LBS has a number of programmes from Bachelors to Research Degrees. Our specialisation portfolio includes a wide range of courses that build specialized skills for industry. Our research degrees are designed to develop enquiry and research skills, before students embark upon research in their chosen subject area.

Courses OFFERED

Post Graduate Diploma in Business Admin. - Evening
(PG Dip. Bus. Admin)

Bachelor of Business Admin
(BBA-Hons)

Bachelor of Science in Economics
(BSc-Hons)

Master of Business Admin.
(MBA 3 Yr)

Master of Business Admin.
(MBA 1.5 Yr)

Courses OFFERED

Master of Business Admin.
(MBA 2 Yr)

Master of Business Admin
(MBA Executive) - Evening

Master of Business Admin of Health Care Management
(MBA Health 2 Yr) - Evening

M. Phil in Management Sciences - Evening
(M. Phil Management Sc)



OUR FACULTY

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Dean, Faculty of Management Sciences
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Lead Auditor QMS (IQCS Singapore)

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HoD Economics
Post Doctorate (ESSEC, France)
PhD Economics (The University of Lahore) M. Phil (Quaid-e-Azam University)

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Associate Professor
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HoD Marketing

Of New South Wales Sydney)

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HoD Evening Programs
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Lecturer

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Mr. Zaigham Abbas Khan
Lecturer
MSc. (Cardiff University)

Mr. Asif Saeed
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Lecturer
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Ms. Qaran Aziz
Lecturer
MBA Marketing, (GC University, Lahore)

Ms. Sara Hassan
Lecturer
MS Computer Sciences, (LUMS, Lahore) University, Lahore)

Mr. Kashif Saleem
Lecturer
BBA (Hons) (The University of Lahore)

Post Graduate Diploma in **BUSINESS ADMINISTRATION** (PG DIP.BUS. ADMIN.)

INTRODUCTION

The Diploma in Business Administration offers an opportunity for working executives to improve their professional qualifications. This Post Graduate Diploma is designed to develop business administration skills and will help students understand the functions and challenges faced by an organisation. The programme will cover theoretical aspects of business administration as well as focus on practical applications in the real world business environment. The courses will cover lectures, case studies and situational problem-solving associated with organizations.

Career PROSPECTS

The Post Graduate Diploma offers the opportunity for professional and career development for working executives. The career prospects, for executives with a non-business education background, become quite attractive with this Diploma. Executives with the Diploma have better management and business administration skills and bright employment opportunities in the banking, services and manufacturing sectors.

Course FACTS

Program Length
Full-time, 1 Year

Entry Requirements
BSc / BA / B.Com. / BCS or equivalent degree from a chartered university/ college with a minimum of 2nd Division, or GCE A-Levels with at least 3 subjects and equivalence letter.

Location
Defence Road Campus

Recognised BY

Higher Education Commission

Road MAP

Semester 1	Cr Hr	Semester 2	Cr Hr
Introduction to Management	3	Business Finance	3
Business Maths & Stats	3	Principles of Marketing	3
Business Accounting	3	Business Law & Taxation	3
Computer Applications	3	Human Resource Management	3
Business Economics	3	Operations Management	3



Bachelor of BUSINESS ADMINISTRATION HONORS (BBA - HONS)

INTRODUCTION

The Bachelors of Business Administration is designed to give students a general business degree with the option of specialisation in the chosen area of interest. Year One will introduce students to fundamental management principles and how these are applied to a working environment. Year Two will introduce students to marketing, Human Resource Management and finance principles. Courses in Years Three and Four are more focused on specialisation and more advanced courses in management, marketing, finance and enterprise. Specialisation options currently include Finance, Marketing & Human Resources. Students will have an opportunity to deepen

their understanding of business ventures in the Entrepreneurship course, which introduces the setting up of a business.

Career PROSPECTS

Graduates of the BBA (Hons) program tend to work their way up in organizations, joining at junior management/management trainee positions. A degree in business can be applied to any industry and can be used to help you start your own business. Many of our students also choose to go on to complete a MBA. You may wish to specialize with a MBA program in your chosen area of interest.

Course FACTS

Program Length
Full-time, 4 Years

Entry Requirements
Minimum 2nd division in FA / FSc. / I.Com or equivalent GCE, A Level with at least three subjects, with an average of C grade, from HEC recognized university / college.

Location
Defence Road Campus

Recognised BY

Higher Education Commission

COURSES

ELECTIVE COURSES

- Corporate Finance
- Financial Derivatives
- Industrial Relations
- Organization Dynamics
- Job Analysis Practices
- Labor Law in Pakistan
- Training In Job Skills
- Leadership & Human Behavior
- Cases In HRM
- Compensation Management
- Sales Management
- Export Marketing

- Integrated Marketing Communication
- Cases in Marketing
- Services Marketing
- Social Marketing
- Tourism Marketing
- Marketing Ethics
- Media Marketing
- Marketing Research

Road MAP

Semester 1	Cr Hr	Semester 2	Cr Hr	Semester 3	Cr Hr	Semester 4	Cr Hr
Accounting I	4	Accounting II	4	Cost Accounting	4	Business Finance I	4
English I	4	Micro Economics	4	Business Communication	4	Human Resource Management	4
Mathematics	4	Principles of Management	4	Macro Economics	4	Inferential Statistics	4
Business Computing	4	English II	4	Principles of Marketing	4	Sociology	4
Psychology	4	Statistics	4	Calculus	4	Marketing Research	4
Semester 5	Cr Hr	Semester 6	Cr Hr	Semester 7	Cr Hr	Semester 8	Cr Hr
Operation Management	4	Entrepreneurship	4	International Finance	5	Dissertation/ Project	8
Consumer Behavior	4	Strategic Management	4	Financial Statement Analysis	5		
Sale Management	4	Business Research Methods	4	Seminar In Finance	5		
Business Finance II	4	Project Management	4	Investment & Portfolio Analysis	5		
Managerial Economics	4	Business Law and Taxation	4	Strategic Human Resource Management	5		
				Performance Management	5		
				Organization Development	5		
				H.R System Development	5		
				Brand Management	5		
				Retail Marketing	5		
				New Product Development	5		
				Advertising & Promotion	5		
				Pak / Islamic Studies	4		

Bachelor of Science in ECONOMICS (BSc - HONS)

INTRODUCTION

The objective of the program is to develop an understanding of the economic aspects of contemporary life and to equip students to assess and analyse economic issues confronting the society. BSc (Honors) in Economics is a four year degree program for new entrants into the labour market. It is based on a diverse and modern curriculum with an interdisciplinary approach. This degree is the launch pad for developing human resource. The student has to be exposed to basic oral, literate and numerical skills. The student has also to be prepared in the foundations of his/her specialised study, in this case economics. The introductory year uses the basic

elements of economic analysis for understanding price mechanisms and macro-economic problems. In the second year, economic theory will sharpen the analytical ability of the student. Groundwork will be laid for quantitative ability and empirical methods. This is also the time to enable the student to exercise choice beyond economics and learn about the real world of business. The third year is meant to develop rigour in the main field of specialisation and to exercise choices within the field. At this final stage, the student is ready to present the endeavors of his study in a seminar, in the form of independent study or have the confidence of making a power point presentation to their peers.

Career PROSPECTS

B.Sc (Hons) in Economics graduates have bright prospects in wide-ranging careers in business, public corporations, academic institutions, and research, federal & provincial, banks and local governments. Many organizations seek good economic planners and evaluators. The graduates will find opportunities in both the public and private sector.

Road MAP

Semester 1	Cr Hr	Semester 2	Cr Hr	Semester 3	Cr Hr	Semester 4	Cr Hr
English I.	4	Pakistan and Islamic Studies	4	Statistics	4	Inferential Statistics	4
Principles of Micro Economics.	4	English II.	4	English III.	4	Principles of Accounting.	4
Mathematics I.	4	Principles of Macro Economics.	4	Intermediate Micro Economics.	4	Intermediate Macro Economics.	4
Principles of Management.	4	Mathematics II.	4	Development Economics.	4	Communication Skills.	4
Computer Applications.	4	Principles of Marketing.	4				

COURSES

ELECTIVE COURSES

- Seminar in Applied Economics
- Economics of Health
- Environment and Sustainable Development
- Financial Econometrics
- Games and Information
- Gender and Economic Analysis
- General Equilibrium and Welfare Economics
- Honors Seminar
- Independent Study
- Industrial Economics
- International Finance
- Monetary Economics
- Managerial Economics
- Markets and Institutions
- Monetary and Fiscal Policy
- Natural Resource Economics
- Operations Research
- Political Economy
- Price and Allocation Theory
- Project Appraisal and Investment Analysis
- Regional Economic Cooperation South Asia
- Regulatory Economics Transport Economics
- The Economics of Inequality and Poverty
- Third Year Seminar In Economics

Course FACTS

Program Length
Full-time, 4 Years

Entry Requirements
Minimum 2nd division in F.A. / FSc. / I.Com or equivalent GCE A Level with at least three subjects with an average of C grade, from a HEC recognized university / college.

Location
Defence Road Campus

Recognised BY

Higher Education Commission

Semester 5	Cr Hr	Semester 6	Cr Hr	Semester 7	Cr Hr	Semester 8	Cr Hr
Cities and Urban Economics	4	Current Economic Problems of Pakistan	4	Demographic Economics	4	Research Paper	8
Comparative Economic System	4	Current Issue in the World Economy	4	Economic History of Pakistan	4	Islamic Economics.	4
Micro Economics Analysis.	4	Macro Economics Analysis.	4	International Trade Theory.	4	Public Finance.	4
Econometrics I.	4	Econometrics II.	4	History of Economics Thought.	4		

Master of BUSINESS ADMINISTRATION (MBA 3Yr)

INTRODUCTION

The MBA program develops business leaders through knowledge and key skills that form part of the course. MBAs are therefore able to give strategic direction, influence people and make good use of financial, technical and human resources. The Lahore Business School MBA program will help you develop creative thinking that will enable you to challenge your abilities, and realize your maximum potential. You will benefit from the experience of our staff, which are practitioners and consultants in the field, and will share their experiences of management and organizational cultures, and prepare you for the challenging

corporate environment.

Career PROSPECTS

The MBA is one of the most sought after qualifications in the industry. Professionals in the field of engineering, science, arts, commerce, doctors aspire for this qualification. The MBA is a widely recognized qualification in management and business, and will help students to launch successful careers. The MBA is designed to equip students with managerial and leadership skills, and enhance the skills required by business. MBA graduates are generally required by organisations for entry-level as well as middle management positions in finance, human resource management and marketing departments.

Course FACTS

Program Length

Full-time, 3 Years

Entry Requirements

Applicants with a minimum of 2nd division in a 2/3 year BBA / BS / BA / B.Com or equivalent degree from HEC recognized university / college.

Location

Defence Road Campus

Recognised BY

Higher Education Commission

Road MAP

Semester 1	Cr Hr	Semester 2	Cr Hr	Semester 3	Cr Hr	Semester 4	Cr Hr
Basic English	4	Business Communication	4	Consumer Behavior	4	Human Resource Management	4
Business Computing	4	Management Information System	4	Micro Economics	4	Macro Economics	4
Mathematics	4	Statistics	4	Cost Accounting	4	Financial Management	4
Principles of Accounting	4	Business Finance	4	Business Research Methods	4	Operations Management	4
Principles of Management	4	Principles of Marketing	4	Business Law and Taxation	4	Strategic Marketing	4

COURSES

ELECTIVE COURSES

- Seminar In Finance
- Islamic Financial System
- Strategic Financial Management
- Corporate Finance
- Audit and Tax Management
- Financial Derivatives
- Cases In Finance
- Performance Management
- Strategic Human Resource Management
- Industrial Relations
- Labor Law in Pakistan
- Global Business
- Organization Dynamics
- International Human Resource Management
- Training Intervention in job Skill
- Organizational Behavior

- Integrated Marketing Communication
- Personal Selling
- Cyber / internet Marketing
- Industrial Marketing
- Logistics Management
- Marketing of IT Product / Services
- Agricultural Marketing
- Media Marketing
- Export Marketing
- Services Marketing
- Social Marketing
- Tourism Marketing
- Marketing Research
- Compensation Management
- Cases in Human Resource Management
- Strategic Marketing Communication
- Training and Development

Semester 5	Cr Hr	Semester 6	Cr Hr
Seminar in Finance	5	Dissertation	8
Business Policy and Strategy	4	Financial Statement Analysis	5
Development Economics	4	Investment and Portfolio Analysis	5
International Finance	5	H.R. System Development	5
Organization Development	5	Human Resource Development	5
Brand Management	5	Advertising and Promotion	5
New Product Development	5	Retail Marketing	5

Master of BUSINESS ADMINISTRATION (MBA 1.5Yr)

INTRODUCTION

The MBA, after a 4 year Bachelors in Business Studies or Commerce, is designed to develop business administration skills in students. The MBA programme develops business leaders through knowledge and key skills that form part of the course. MBA graduates are therefore able to give strategic direction, influence people and make good use of financial, technical and human resources.

Career PROSPECTS

The Master of Business Administration is one of the most sought after qualification in the industry. Professionals in the field of engineering, science, arts, commerce and doctors aspire to this qualification. The MBA is a widely recognised qualification

Elective COURSES

- Audit & Tax Management
- Islamic Financial System
- Strategic Financial Management
- Seminar in Finance
- Financial Derivatives
- Cases in Finance
- Investment & Portfolio Analysis
- Industrial Relations
- Organization Design & Dynamics
- Job Analysis Practices
- Organization Development
- Labor Law in Pakistan

in management and business and will help you launch a successful career.

The MBA is designed to equip students with managerial and leadership skills, and enhance the skills required by business. MBA graduates are generally needed by organisations for entry-level as well as middle management positions in finance, human resource management and marketing departments.

Course FACTS

Program Length

Full-time, 1.5 Years

Entry Requirements

Applicants with a minimum CGPA 2.50 or 2nd division in 4 year BBA / B.Com or equivalent business studies or commerce degree from a HEC recognized university / college.

Location

Defence Road Campus

Recognised BY

Higher Education Commission

- H.R. System Development
- Training & Development
- Cases in HRM
- Compensation Management
- Organization Dynamics
- Training Intervention In Job Skills
- Organizational Behavior
- Integrated Marketing Communication
- Industrial Marketing
- Logistics Management
- Agricultural Marketing
- Sales Management

- Export Marketing
- Strategic Marketing Communication
- Branding & Brand Management

Road MAP

Semester 1	Cr Hr	Semester 2	Cr Hr	Semester 3	Cr Hr
Business Research Methods	3	International Finance	5	Dissertation / Business Plan	8
Financial Management	3	Financial Statement Analysis	5		
Leadership & Change Management	3	Strategic HRM	5		
Applied Macro Economics	3	Performance Management	5		
International Marketing	3	Advertising & Promotion	5		
		New Product Management	5		
		International Business	3		
		Entrepreneurship & Business Planning	3		
		Corporate Finance	3		



Master of BUSINESS ADMINISTRATION (MBA 2Yr)

INTRODUCTION

The MBA after a 4 year bachelors is designed to develop advanced skills in students. The MBA programme develops business leaders through knowledge and key skills that form part of the course. MBA graduates are therefore able to give strategic direction, influence people and make good use of financial, technical and human resources.

Career PROSPECTS

The Master of Business Administration is one of the most sought after qualification in the industry. Professionals in the field of engineering, science, arts, commerce and doctors aspire to this qualification. The MBA is a widely recognised qualification in management and

business and will help you launch a successful career. The MBA is designed to equip students with managerial and leadership skills, and enhance the skills required by business. MBA graduates are generally needed by organisations for entry-level as well middle management positions in finance, human resource management and marketing departments.

Elective COURSES

- Audit Tax Management
- Islamic Financial System
- Strategic Financial Management
- Corporate Finance
- Industrial Relations
- Performance Management
- Labor Law In Pakistan
- Organization Dynamics
- International Human Resource Management
- Training Intervention in Job Skills
- Organizational Behavior

- Integrated Marketing Communication
- Personal Selling
- Cyber / Internet Marketing
- Logistics Management
- Marketing of IT Products / Services
- Agricultural Marketing
- Media Marketing
- Retail Marketing
- Social Marketing
- Tourism Marketing
- Marketing Research
- Services Marketing

Course FACTS

Program Length

Full-time, 2 Years

Entry Requirements

Applicants with a minimum CGPA 2.50 or 2nd division in 4 year BA / BS / BSc non-business or non-commerce or equivalent degree from a HEC recognized university / college.

Location

Defence Road Campus

Recognised BY

Higher Education Commission

Road MAP

Semester 1	Cr Hr	Semester 2	Cr Hr	Semester 3	Cr Hr	Semester 4	Cr Hr
Basic English	4	Business Computing	4	Business Economics	4	Financial Statement Analysis	4
Mathematics	4	Principles of Management	4	International Finance	4	Seminar In Finance	4
Principles of Accounting	4	Business Finance	4	Brand Management	4	Organization Development	4
Statistics	4	Principles of Marketing	4	Business Research Methods	4	H.R. System Development	4
				Business Law and Taxation	4	Human Resource Development	4
				Project Management	4	New Product Development	4
						Advertising & Promotion	4
						Export Marketing	4
						Dissertation	8



Master of BUSINESS ADMINISTRATION EXECUTIVE (MBA EXECUTIVE)

INTRODUCTION

The MBA Executive program gives working executives an opportunity to complete the MBA in 2 years, whilst working full time.

The MBA Executive is designed for those who already have some exposure to management in industry or other organizations.

MBA Executive develops skills to deliver strategic direction, understand people skills and utilise financial, technical and human resources in the best possible way to achieve departmental or organizational targets.

Career PROSPECTS

Our experience shows that majority of working executives, who achieve an Executive MBA, benefit with career advancement, compensation, promotions, increased responsibility and immediate benefits.

The programme provides graduates with strategic vision and skills that can be applied immediately to their current position and result in professional advantage.

Elective COURSES

- Investment & Portfolio Management
- Strategic Financial Management
- Cases In Finance
- Organization Design & Dynamics
- H.R. System Development
- Training & Development
- Compensation Management
- Organization Dynamics
- Training Intervention in Job Skills
- Organizational Behavior
- Integrated Marketing Communication
- Agricultural Marketing
- Sale Management
- Export Marketing

Course FACTS

Program Length

Full-Time 2-Years Evening

Entry Requirements

At least three years of working experience. A minimum of a 2nd division in a 2/3 year BBA / BS / BA / B.Com or 14 years of education or equivalent degree from HEC recognized university / college.

Location

Defence Road Campus

Recognised BY

Higher Education Commission

Road MAP

Semester 1	Cr Hr	Semester 2	Cr Hr	Semester 3	Cr Hr	Semester 4	Cr Hr
Business Communication	4	MIS and Computer Application	4	Financial Management	4	Dissertation / Business Plan	8
Organizational Management	4	Human Resource Management	4	Entrepreneurship and SME Growth	4	International Finance	4
Managerial Economics	4	Marketing	4	Strategic Business Planning	4	Financial Statement Analysis	4
Accounting	4	Research Methods	4	Business Law and Taxation	4	Seminar In Finance	4
Quantitative Technique in Management	4	CostAccounting	4			Strategic HRM	4
						Performance Management	4
						Organization Development	4
						Brand Management	4
						Industrial Marketing	4



Master of BUSINESS ADMINISTRATION IN HEALTH CARE

INTRODUCTION

The objective of MBA in Health Care Management is to develop medical graduates and professionals in hospital/health care administration, pharmacist and equip them with planning/organizing abilities and managerial skills. Professionals interested in this program need not take a break from their jobs or employment as the program classes are held in the evening. The method of teaching employs case study, lectures and problem solving situations. The curriculum focuses on health care issues, planning and regulations, financial management and administration of health care.

Career PROSPECTS

The program emphasizes the practical applications of management concepts and theories within healthcare settings. Focus on critical thinking, self development, communication and team building, skill development, problem solving competence and ethical leadership will help professionals in catering to the market demand for health managers, in the fields of preventive health, health policy and planning, hospital, pharmaceutical and population management.

Course FACTS

Program Length

Full-Time 2-Years Evening

Entry Requirements

At least three years of working experience with minimum of 2nd division in MBBS/BDS/D.Pharm or 16 years of education or equivalent degree from HEC recognized university / college.

Location

Defence Road Campus

Recognised BY

Higher Education Commission

Road MAP

Semester 1	Cr Hr	Semester 2	Cr Hr	Semester 3	Cr Hr	Semester 4	Cr Hr
Business Communication	4	Human Resource Management	4	Financial Management of HealthServices	4	Strategic Management of HealthServices	4
Business Economics	4	Health Management Information Systems	4	ConceptsofPrimary Health Care	4	Dissertation	4
Quantitative Analysis (Bio Statistics)	4	Marketing	4	Managing Professional Health Care Organizations	4		
Accounting	4	Introduction to Health Planning and Management	4	Quality Management Concepts	4		
Organization Management	4	Research and Survey Methodology	4	Marketing of Health Services	4		

Elective COURSES

- Management of the Acute Care Hospital
- Aging and Disability: Needs and Services
- Compliance and Risk Management in Health Services
- Environmental Health and Safety Management
- Service Line and Project Management
- Population and Health
- Physician Practice Management
- Managing the Skilled Nursing Facility
- Supply Chain Management in Health Services
- Managing Physicians



Master of Philosophy in MANAGEMENT SCIENCES

INTRODUCTION

The M.Phil. programme has been designed to ensure students develop strong research and analytical skills, that would help them not only carry future research but also think critically. The first year of the M.Phil program introduces students to the key concepts in management research, research methods, business history and strategic development. The focus in the second year is on the student carrying out supervised research in their area of interest.

The objective is to develop research and analytical skills in students that will help them in conducting independent research in different areas.

Career PROSPECTS

M. Phil graduates usually pursue an academic career and go on to pursue a PhD in their area of interest. There are opportunities in the corporate sector for the graduates, and recent industry trends show organizations are now interested in hiring M Phil graduates and personnel with higher qualifications.

Elective COURSES

- Seminar in Management
- Seminar in Marketing
- Seminar in Financial Management
- Seminar in Organization Development
- Seminar in Economic Development

Course FACTS

Program Length

Full-Time 2-Years Evening

Entry Requirements

MBA / MS degree in business administration or management sciences or marketing / management / quality management / Statistics / Mathematics or economics, from a chartered university with a minimum of 1st division or 3.0 CGPA, with GAT score 50%.

Location

Defence Road Campus

Recognised BY

Higher Education Commission

Road MAP

Semester 1	Cr Hr	Semester 2	Cr Hr	Semester 3	Cr Hr	Semester 4	Cr Hr
Business History	4	Current Research in Area of Study	4	Research Thesis I	4	Research Thesis II	4
Research Methods	4	Development Economics	4				
Statistical Inference	4	International Financial Management	4				
Management Theory & Application	4	Strategic Development	4				





School of CREATIVE ARTS

Mission STATEMENT

To create a talent pool of socially oriented and professionally aware creative media practitioners who will serve as the change agents in areas of their professional calling; individuals who, as much by their personal virtue as their acquired professional skills scale new heights, create new frontiers and set new benchmarks, advancing the state of their art and contribute to the betterment of society.

INTRODUCTION

With the broadening of modern communications media, the world has come together as a global community sharing thoughts and ideas like never before thus making it increasingly important for nations to represent their culture and identity through effective media content.

Field of Media & Communications in Pakistan has grown into a recognized field of study with focus on acquiring skills for strategic and critical thinking, communications, and different forms of production. Due to the immense potential in this evolving

highly skilled and motivated individuals who can address the questions presented by different mass media from broadcast and print to new media as well as cinema and theatre.

The School of Creative Arts, thus, offers intensive interdisciplinary undergraduate teaching through a combination of vocational training and first-degree programmes. The School aims to undertake research at the interface between social and technological change, seeking a critical and contextual understanding of the dynamics of the emerging digital world in liaison with academia, government and industrial organizations.

The school is committed to developing individual talent within a collaborative working environment by imparting highest standard of education/training with professionally active faculty and a broad spectrum of visiting professionals.

We also offer a wide range of options for pre-professional experience through strong internship programmes with allied partners.

The school aims to provide venues for the presentation and promotion of student

work and to advise and assist students regarding national and international festivals and opportunities.

The School of Creative Arts will also facilitate the Creative Village by providing theoretical frameworks and expertise to guide the practical production being conducted at the Creative Village Studio while also providing competent human resource through its student base to conduct the aforementioned.

Courses OFFERED

Bachelor of Science in Media and Communication (BSMC)

Bachelor of Arts in Film and Television (BAFT)



OUR FACULTY

Mustafa Hasnain

Head of School / Executive Director Creative Village
MSc. Media & Communication
London School of Economics, UK
BSc Oxford, United Kingdom

Syed Atef Amjad Ali

Senior Lecturer / Course Coordinator
MA Documentary by Practice,
Royal Holloway, University of London, UK

Azhar Sukhera

Assistant Professor
Professional Degree Direction
Film & Video (5 years)
Saint-Petersburg State University of Culture & Art,
Russia

Awais Raouf

Assistant Professor
MS Finance (London Business School, UK)
MBA (Quaid-e-Azam University)

Syed Shamshir Haider

Senior Lecturer
M.A. Urdu Literature
GCU, Lahore

Yahya Ehsan

Art Director / Lecturer
MA Multimedia Arts (Gold Medalist)
National College of Arts, Lahore

Asad M. Naeem

Lecturer
MA Multimedia Arts
National College of Arts, Lahore



Bachelor of Science in MEDIA & COMMUNICATION (BSMC - HONS)

INTRODUCTION

The Bachelor of Science (Hons) in Media and Communication Studies is characterized by its progressive structure, which allows for increasing specialization through the programme.

The course has been designed as a rigorous yet interactive approach towards both theory and practical subjects. Specific studio courses, which are open ended in their approach are designed to give the student a chance to interact with the faculty according to general agendas to discuss and develop new ideas. The core courses provide the student with the capability to harness the concepts and technologies according to their

needs. A wide array of elective and summer courses have also been designed to further facilitate the students towards a better understanding of their curriculum and the field of media and communication. In general terms, the Bachelor of Science (Hons) in Media and Communication aims to provide the following opportunities for students.

Career PROSPECTS

The students of this course will acquire the training and skills required for excelling in the fields of print, television, radio and online journalism, corporate communications, media theory, media regulation and public policy, and media and public relations.

Course FACTS

Program Length

Full-time, 4 Years

Entry Requirements

Intermediate (Minimum 50%), A Levels

Location

Defence Road Campus
(Creative Village)

Recognised BY

Higher Education Commission

Road MAP

Semester 1	Cr Hr	Semester 2	Cr Hr	Semester 3	Cr Hr	Semester 4	Cr Hr
Introduction to Cinema	3	Introduction to Visual Communication Theories	3	Media and Communication Theories	3	Political Science	2
Introduction to Media	3	Readings in Urdu Literature	3	Pakistan Studies (HEC)	2	Philosophy	2
Introduction to Television	3	Readings in English Literature	3	Introduction to Psychology	2	Islamic Studies (HEC)	2
Introduction to Audio/Video Technologies I	3	Introduction to Audio/Video Technologies II	3	Introduction to Sociology	2	Statistics(HEC)	3
Photography I	3	Photography II	3	Creative Writing	3	Film Theory	3
English and Communication (HEC)	3	Introduction to Performance Making	3	Film Aesthetics	3	Introduction to Print & Broadcast Media	3



Semester 5	Cr Hr	Semester 6	Cr Hr	Semester 7	Cr Hr	Semester 8	Cr Hr
2D/3D Graphics	3	Advertising and Promotion	3	Research Methodologies	3	Major Production Sessions II	6
Media Law & Ethics	3	News Reporting	3	Major Production Sessions I	6	Thesis/Disertation II	6
Documentary I	3	Documentary II	3	Thesis/Disertation I	6		
Radio Broadcasting	3	News and Current Affairs Production	3	Video Editing	3		
Newspaper Editing	3	Media and Audience	3				
Media Finance and Accounting	3	Screen Writing	3				

Bachelor of Arts in FILM AND TELEVISION (BAFT - HONS)

INTRODUCTION

The degree offers the state of the art and unrivalled combination of academic, theoretical and professional training in the field of Film and Television in Pakistan. BAFT promotes intellectual analysis of film, television, video and digital media arts, developing knowledge, understanding, and key skills for film and television industries in Pakistan.

The program provides a variable & progressive structure in which students are able to gain knowledge and understanding of film and television studies. It helps developing a mature understanding of the history, scope and socio-cultural impact

of Film, Cinema and Television in Pakistan and Globally. BAFT offers extensive experience in the production of Film and Television content required for new trends in media and communication industries in Pakistan. The degree enables Development of knowledge, understanding and key skills required to produce or research new trends in Film and Television in Pakistan.

Career PROSPECTS

The students will acquire the training & skills required for exceeding in the fields of infotainment, entertainment, cinema and television in Pakistan. Understanding & application of theories of media, communication,

film, television & other forms of audio & visual media.

Course FACTS

Program Length

Full-time, 4 Years

Entry Requirements

Intermediate (Minimum 50%), A Levels

Location

Defence Road Campus
(Creative Village)

Recognised BY

Higher Education Commission

Road MAP

Semester 1	Cr Hr	Semester 2	Cr Hr	Semester 3	Cr Hr	Semester 4	Cr Hr
Introduction to Cinema	3	Introduction to Visual Communication Theories	3	Media and Communication Theories	3	Political Science	2
Introduction to Media	3	Readings in Urdu Literature	3	Pakistan Studies	2	Philosophy	2
Introduction to Television	3	Readings in English Literature	3	Introduction to Psychology	2	Islamic Studies	2
Introduction to Audio/Video Technologies I	3	Introduction to Audio/Video Technologies II	3	Introduction to Sociology	2	Statistics	3
Photography I	3	Photography II	3	Creative Writing	3	Film Theory	3
English and Communication	3	Introduction to Performance Making	3	Film Aesthetics	3	Introduction to Print & Broadcast Media	3



Semester 5	Cr Hr	Semester 6	Cr Hr	Semester 7	Cr Hr	Semester 8	Cr Hr
2D/3D Graphics	3	Advertising and Promotion	3	Research Methodologies	3	Major Production Sessions II	6
Media Law & Ethics	3	Sound	3	Major Production Sessions I	6	Thesis/Dissertation II	6
Cinematography I	3	Cinematography II	3	Thesis/Dissertation I	6		
Editing I	3	Editing II	3	Production Design	3		
Screen Documentary	3	Fiction Film	3				
Media Finance and Accounting	3	Screen Writing	3				

RESEARCH & DEVELOPMENT CENTRE

INTRODUCTION

The purpose of Research and Development Centre is to elaborate the importance, impact and the need for a focused, intellectual and scholarly research centre in the field of media and communication in Pakistan.

The School of Creative Arts aims to develop itself as a leader in scholarly and intellectual research in the field of media and communication in Pakistan. Our aim is to only to bring media & communication into the serious realm of research and development locally, but also to establish our research and Development section as a recognized and significant contributor internationally as well.

The R&D Centre will focus on the

establishment of a Research and Development Centre at the School of Creative Arts, University of Lahore.

The field of media and communication or media studies is a relatively new interdiscipline, roughly dating back to 1920's as a set of studies and the fifites as a "formal discipline" internationally.

However, the growth in media and communication in form of broadcast media in Pakistan is fairly recent. With a wide array of private news and entertainment channels, the broadcast media in Pakistan has seen exponential growth in the last decade.

However, this poses a great challenge as the international realm of media is gradually

migrating to "New Media" (Internet, WWW etc), and the collaboration of old and new media is becoming more evident day by day. Pakistan, on the other hand is witnessing the growth of both broadcast and new media simultaneously, which gives rise to the need for focused research and development in the ever expanding field of media and communication.

The Centre will focus on Research & Development in the following capacities:

- Curriculum Development & Training
- Research and Development of Audio/Visual Content
- Research and Development in Published Form - Research Journal



THE SPECTACLE

INTRODUCTION

A 'spectacle' refers to an event that creates impact and is extraordinary for the appearance it creates. This is exactly what the students at the School of Creative Arts, University of Lahore aim to achieve through the bi-monthly newsletter "The Spectacle". The 1st edition of the bi-monthly newsletter "The Spectacle" conceived and accomplished through months of hard-work and perseverance by Foundation Year students at the School of Creative Arts, University of Lahore.

The Spectacle will not only cover events, news, reviews and editorials from the University of Lahore but also cover Domestic and international entertainment, sports and business news. The Spectacle is not just another newsletter that focuses just on

news, the editorial staff will focus on issues centered around the students of University of Lahore and other educational institutes in Pakistan. The student staff of The Spectacle will facilitates the students of University of Lahore with educational tips regarding their studies and will also highlight opportunities available for students in the specific industry in Pakistan. The Spectacle team comprises of talented and dedicated Foundation Year students of Media & Communication and Film & Television 4-year Bachelor degrees offered by the School of Creative Arts, University of Lahore. Foundation Year students of School of Creative Arts took up this challenging initiative and the results achieved by them are truly laudable. They are responsible for the complete content gathering

and writing, news reporting and the eye catching design of this newsletter. Their efforts clearly show their dedication, guided by the Faculty of the School of Creative Arts along with encouragement and support by the management of University of Lahore.

The Spectacle team strives to bring to the students of University of Lahore a wide array of information, news and entertainment while highlighting the quality of education at this rising and reputable University. The team hopes that the Faculty and students of University of Lahore will not only read this newsletter but will also contribute their valuable suggestions and content to make this newsletter the best and most widely read student publication in Pakistan.



CREATIVE VILLAGE™

Although media in Pakistan is a burgeoning industry, which employs more than a 100,000 professionals, it still lacks the necessary technical infrastructure and creative human resource to produce world class content. In essence it lacks the institutions necessary to facilitate best practices while educating professionals in the latest media techniques. The University of Lahore has taken the initiative to fill this void by pioneering a unique media entity dubbed the “Creative Village” which is envisioned as: “A Community of creative people working towards a common goal of improving the quality of media content, human resource and infrastructure in Pakistan.”

The Creative Village will bring together industry expertise alongside cutting edge facilities and technology through the “Creative Village Studio” which is a purpose built media production

entity consisting of fully equipped studio floors and allied post production and sound production facilities.

The studio will allow for the creation of creative, traditional and new media content while also focusing on developing strong industry links through content production for a diverse spectrum of the media industry which includes but is not limited to: TV, Radio, Print, Advertising, Animation and New Media (Internet and Cellular media) The School of Media will focus on imparting practical media expertise and theoretical knowledge with a research oriented approach towards curriculum design.

The school will harness the strong industry links of the Creative Village by creating internship and placement opportunities while also acting as a center for

vocational training by offering part time and executive courses to professionals currently established in the industry.

The Center for Media Research will focus on fusing the practical expertise available at the studio with theoretical research being done at the School to investigate both current and future media trends thus offering a competitive edge to both the content being produced at the Creative Village studio and the academic activity at the School.

With these unique and diverse entities working towards the aforementioned goal of the Creative Village, The University of Lahore would foster an entirely new generation of media professionals equipped with a broader understanding of the potential of media as an industry and with the resources at their disposal to bring about a creative and cultural Renaissance.



The STUDIO

The Creative Village studio combines industry expertise with purpose built television and film production studios consisting of two international standard production floors and dedicated post production, sound production and animation facilities.

The studio brings together professionals with both regional and international experience and together with the School of Creative Arts, ensures that students at the school receive professional experience while projects undertaken meet exceptional quality standards.

Facilities

- 45000 sq. feet purpose built facility
- Two dedicated production floors
- Studio A: 60x100x30 feet
- Studio B: 50x60x30 feet
- Complete light grid and light and sound equipment
- High end broadcast and RED cameras
- Latest HDV cameras
- HD studio cameras
- Green rooms
- Chroma facility
- Fully equipped post production & animation facility
- Dedicated sound studio
- High end audio/video editing labs

SERVICES

The Studio offers a number of high quality commercial services such as Production, Corporate Branding, Marketing Campaigns and Equipment/Facilities Rental. Visit creativev.com for details



Faculty of
**SOCIAL
SCIENCES**

ENGLISH
LANGUAGE
AND
LITERATURE



Department of **ENGLISH LANGUAGE AND LITERATURE**

Faculty of Social Sciences

Mission STATEMENT

The Mission of the Program is to ensure that each second Language learner develops linguistically, academically, and cognitively within a socially and culturally supportive environment.

INTRODUCTION

The Department of English offers a professional, yet congenial environment to teach and promote an understanding of both the significance and the history of British and American literatures and to foster an appreciation of the richness and variety of texts in the language.

The department values committed teaching and supervision in an atmosphere of vigorous search and provides students with a flexible program of study.

Our main goal is to create a dynamic learning environment that promotes student's thinking capabilities, language and interpersonal skills. Moreover, our department emphasizes freedom of academic expression

to sustain highest standards of academic excellence, professional performance and ethical conduct.

Our academic staff comprises carefully selected teachers who are committed to support the students academically and socially. Students are prepared to face the competitive world. Since our inception, we are aiming at imparting quality education to the students.

Extra-curricular activities are part of our academics and we believe in fostering the appreciation of critical thinking and analytical approach in our students.

Courses OFFERED

Master of Arts in English Literature (**MAEL**)

Master of Arts in English Language Teaching & Linguistics (**MAETL**)



OUR FACULTY

Raees Abbas Zaidi

Pro Rector Admin / HOD

BSc. (Punjab University)
MA English Language & Literature (Punjab University) Lahore
MA Urdu Literature (Punjab University) Lahore
Strategic Management (Wageningen University) Netherlands
Advance Management Course (NIPA) Lahore
E. Management (CIDA) CANADA

Mrs. Mehrunisa Zaid

Lecturer

M.A (English Literature) Punjab University
P.G.D TEFL (AIOU)

Mr. Sarfraz Zaman

MA (English Literature) Punjab University
MBA VU, Lahore

Mr. Hammad Nazir Zaki

MA (English Literature) Punjab University
PGD Linguistics (PU) PGD TEFL (AIOU)
MA TEFL AIOU

Miss. Saima Kanwal

MA (English Literature) Punjab University
PGD TEFL (Continued) AIOU

Ms. Musharraf Aziz

MA (English Language & Literature) GCU
PGD TEFL (AIOU)
MA TEFL in progress AIOU

Ms. Asieh Khan

MA ELTL UOL Lahore



Master of Arts in ENGLISH LITERATURE (MAEL)

INTRODUCTION

This programme consists of 69 credit hours with 20 courses. The emphasis is laid on an understanding of both the significance and the history of British and American literatures and to foster an appreciation of the richness and variety of texts in the language. We offer rigorous training in interpretive thinking and precise expression, teaching students to develop ideas, organise them, draw deductions and make connections to new ideas, and articulate them in eloquent and convincing ways. The English Post Graduate programme features the study of imaginative language, rhetoric, and the poetic and narrative arts whilst it focuses on the roles imaginative writing and presentation play in almost every aspect of human experience.

Career PROSPECTS

This programme will prepare students for competitive examinations, the application of English in practical life, as well as helping them acquire sufficient competence in English to study abroad.

It also aims at producing professional teachers equipped with the latest instructional technology and opens new vistas of research in Language experience.

Course FACTS

Program Length

Full-time, 2 Years

Entry Requirements

2nd Division B.A/B.Com

Location

Raiwind Road Campus

Recognised BY

Higher Education Commission

Road MAP

Semester 1	Cr Hr	Semester 2	Cr Hr	Semester 3	Cr Hr	Semester 4	Cr Hr
Medieval Poetry	3	Elizabethan Drama	3	Romantic Poetry	3	American Poetry	3
Shakespearean Drama	3	The Victorian Novel	3	20th Century Novel	3	American Drama	3
The Novel	3	History of English Literature (Victorian/Modern)	4	Modern Drama	3	The American Novel	3
Literary Criticism	4	Prose	4	Intro to Linguistics	4	Creative Writing	4
History of English Lit. (Middle Age)	4	Classical Poetry	3	Intro to Contemporary Literature	3	Research Project/ Thesis	6

Master of Arts in ENGLISH LANGUAGE TEACHING & LINGUISTICS (MAEL)

INTRODUCTION

This is a dual Masters Degree programme consisting of 69 credit hours with 21 courses. Keeping in view the need of Postgraduate students, the English Department is putting English language learning skills tutorials & seminar sessions into the main stream of the MA English teaching course. The tutorial sessions will cover the following skills:

- 1.Intensive and extensive reading
- 2.Speed reading and reading comprehension
- 3.Writing, brainstorming, organisation of material, writing for specific purposes and creative writing

- 4.Stress patterns and intonation patterns
- 5.Presentation skills
- 6.Understanding diverse English accents.

Career PROSPECTS

This programme will prepare students for examinations, the application of English language in practical life as well as helping them acquire the competence in English to study abroad. It also aims at producing professional teachers equipped with the latest instructional technology and opens new vistas of research in language experience.

Course FACTS

Program Length

Full-time, 2 Years

Entry Requirements

2nd Division B.A/B.Com

Location

Raiwind Road Campus

Recognised BY

Higher Education Commission

Road MAP

Semester 1	Cr Hr	Semester 2	Cr Hr	Semester 3	Cr Hr	Semester 4	Cr Hr
Phonetics & English Phonology	3	Morphology & English Syntax	4	Semantics & Pragmatics	3	Instructional Technology	3
Intro to Linguistics	4	Methods of Teaching English	3	Research Methods	3	Micro Practice Teaching	4
Language Skills	3	Teaching English For Specific Purposes	3	Curriculum Designing & Material Development	3	Teaching of Creative Writing	4
Descriptive Syntax	4	Approaches to Foreign Language Acquisition	3	Computer & Language Teaching	3	Student Teaching & Observation	2
Psycholinguistics	3	Assessment of Language Skills	3	Stylistics	4	Error Analysis	3

Faculty of
LAW

**COLLEGE OF
LAW**



College of **LAW**

Mission STATEMENT

To cultivate a new generation of lawyers who will help our stagnant legal society to evolve, to match the highest international standards and revolutionise the legal profession with their acquired knowledge and skills. They will not only build a bright future for themselves but will also help the country as well by providing up to date guidance to government and ordinary people. We are suitable for industry executives, bank executives, engineers, health service professionals, public departments and educationalists who seek to complement their existing degrees with a Post Graduate Diploma, B.Com or M.Com. These degrees will ensure career advancement and provide an understanding of the changing business environment.

INTRODUCTION

Law is a field, which is in a state of constant evolution, given the frequent changes in mindsets and

this fluid nature, it becomes a highly competitive arena. Lawyers are expected to be highly adaptive to new situations and their problem-solving skills ought to be exemplary. These skills obviously do not come to them naturally; rather they have to be acquired through the legal knowledge gained from education.

The College of Law, through its Bachelors programme, aims to give this knowledge to young minds, if they seek to pursue a career in the legal profession. Pakistan's legal society is large; only the most hard-working and able minded prevail over the others and for them, there are no limits to what they can achieve through this profession. The extensive courses offered by the College of Law focus on not only giving young scholars the necessary tools to begin a legal career but are also designed to add to their knowledge so that their vision increases vis-à-vis other aspects of life, given the fact that law is inextricably intertwined with all other fields of activity.

The College proposes to achieve this goal to the highest standard with the help of senior practitioners of law who will not only teach the students but also offer their personal expertise to help them to understand law and

Courses OFFERED

Bachelor of Law - LLB
(5 Years)

Bachelor of Law - LLB
(3 Years)



OUR FACULTY

Mr. Justice(Retd) M.Bilal Khan
Dean

Mr. Tariq Ahmed Shah
Academic Coordinator
BA.LLB

Dr. Naheed Sultana
Associate Professor
M.Phil. Economics

Mr. Sabir Ali Chaudhry
Lecturer
BA.LLB, DLL (Pb)

Mr. Ata Ur Rehman
Lecturer
LLM

Mr. Shahid Yusaf
Lecturer
MS-Computer Sciences

Ms Sundas Rauf
Lecturer
M.A, LLB, DBL

Ms Sadia Kanwal
Lecturer
M.A English

Ms. Shazia Gulzar
Lecturer
M.Phil. Psychology

Mr. S.N. Nawazish
Advocate High Court,
BSc (Eng.),DLL, MBA, LLB

Mr. Mohammad Ayyaz Butt
Lecturer
M.Phil. Psychology

Mr. Ali Tipu Khan
MA LLB, Advocate High Court

Mian Mohammad Tariq
BA LLB Advocate High Court

Syed Bilal Haider
BA LLB Advocate High Court

Zulfiqar A. Sheikh
MA LLB, DLL, Advocate High Court

Mr. Imtiaz Elahi
BA LLB, Advocate High Court

Mian Mohammad Javed
BA LLB, Advocate (Retired Distt &
Sessions Judge)



Bachelor of LAW (BALLB - 5YR)

INTRODUCTION

Our LLB degree is in accordance with the guidelines and requirements of the HEC and Pakistan Bar Council. This will be an academic as well as professional degree in law and legal studies.

The courses recommended by the Pakistan Bar Council as basic courses for joining the legal profession are part of the curriculum.

Course FACTS

Program Length
Full-time, 5 Years

Entry Requirements
FA /FSC or GCE A-Levels or
Equivalent, Min 2nd Div. & Interview

Location
Defence Road Campus

Recognised BY

Higher Education Commission



Road MAP

Semester 1	Cr Hr	Semester 2	Cr Hr	Semester 3	Cr Hr	Semester 4	Cr Hr
English-I	3	English-II	3	English-III	3	Human Rights Law	3
Pakistan Studies	2	Islamic Studies/Ethics	2	Logic And Reasoning	3	Constitutional Law-I (Comparative)	3
Sociology	3	Political Science	3	Islamic Jurisprudence-I	3	Law Of Contract-II	3
Fundamentals Of Economics	3	Legal System Of Pakistan	3	Law Of Torts	3	Islamic Jurisprudence-II	3
Introduction To Law	3	History (South Asia)	3	Law Of Contract-I	3	Comparative Religions	3
Skills Development-I	3	Skills Development-II	3	Research Methods	3		
Semester 5	Cr Hr	Semester 6	Cr Hr	Semester 7	Cr Hr	Semester 8	Cr Hr
Jurisprudence-I	3	Jurisprudence-II	3	Public International Law-I	3	Public International Law-II	3
Constitutional Law-II (Pakistan)	3	Corporate Law	3	Constitutional History of Pakistan	3	Equity And Specific Relief	3
Islamic Personal Law-I	3	Islamic Personal Law-II	3	Civil Procedure-I	3	Civil Procedure-II	3
Criminal Law-I	3	Criminal Law-II	3	Criminal Procedure-I	3	Criminal Procedure-II	3
Law Of Property-I	3	Law Of Property-II	3	Law Of Evidence-I	3	Law Of Evidence-II	3
				Law Of Evidence-I	3	Legal Drafting-II	3
Semester 9	Cr Hr	Semester 10	Cr Hr				
Administrative Law-I	3	Administrative Law-II	3				
Legal Ethics	3	Interpretation Of Statutes	3				
Elective-I*	3	Research Project	3				
Elective-II*	3	Elective-III*	3				
Moot Cases And Role Playing	3	Elective-IV*	3				

Bachelor of **LAW** (LLB - 3YR)

INTRODUCTION

Our LLB degree is in accordance with the guidelines and requirements of the HEC and Pakistan Bar Council. This will be an academic as well as professional degree in law and legal studies.

The courses recommended by the Pakistan Bar Council as basic courses for joining legal profession are part of the curriculum.

Course **FACTS**

Program Length

Full-time, 3 Years

Entry Requirements

BA /B.Com /BSC/ Minimum 2nd
Division & Interview

Location

Defence Road Campus

Recognised **BY**

Higher Education Commission

Road **MAP**

1st Year	2nd Year	3rd Year
English Jurisprudence	Constitutional Law-I	Civil procedure Law
Law of Contract	Equity	Criminal Procedure Law
Islamic Jurisprudence	Mercantile Law	Law of Evidence
Law of Torts & Easements	Law of Transfer of Property	Convincing & Pleading
Criminal Law	Islamic Personal Law	Administrative Law
Constitutional Law	International Law	Minor Acts



University

Rules & Policies



ADMISSION POLICY

The University of Lahore admits students whose educational background is sound and who can achieve success in higher education. Applications received for admission in various programmes are reviewed by the concerned departments. The applicants are required to give admission test and interview. The final merit is determined on the basis of past academic performance, score obtained in the admission test and performance in the interview.

The test pattern is of the same standard as of scholastic aptitude test (SAT) for undergraduate studies and graduate record examination (GRE) for graduate studies.

The academic programmes are spread over two semesters during each year. Total undergraduate programme is spread over eight semesters (four years). Graduate programs are taught for 2-4 years, keeping in view the type of degree. Each semester comprises of 18 – 20 weeks, which includes one week of examinations. A short summer semester of 8 weeks is usually offered to cover special courses.

Students who have completed all the formalities and deposited their fees and other dues on the prescribed date are eligible

admitted on merit, is expected to take the full load of courses prescribed for the semester.

ADMISSION

(a) Application for admission shall be entertained only on a prescribed form, which is part of the prospectus. Applications received through 'e mail' shall be entertained only if they are followed by a pay order in the name of The University of Lahore and should reach UOL up to last date announced for the admission.

(b) Admission shall be granted on the basis of eligibility criteria mentioned for each programme and after passing the admission test & interview arranged by the admission committee of the department.

(c) Applicants, who have appeared in inter / degree level or pre-requisite level examination prescribed for admission in a programme and are awaiting results will be allowed to apply for admission, but they will be given admission only after they have submitted the attested copies of their certificates / degrees within three weeks of commencement of the semester. They will also be required to submit an undertaking that they understand the rules/ policy of the admissions and that if they fail to submit the required

time, they will not be given admission.

(d) For eligibility criteria reference may be made to each relevant programme / degree.

(e) Each successful applicant will be issued "Admission Letter" by the concerned department.

Registration & Enrolment Policy

(a) After completing admission formalities and having paid the semester dues the applicants will be registered as bonafide students of UOL.

(b) At the time of registration the applicants will be required to produce their original certificates, which will be returned to the student after making entries in/her file that the originals having been verified.

(c) The applicants will be allocated the University Registration Number and will be issued the University Registration Card by the Registrar Office. This will allow the students to get enrolled in different courses offered by the concerned departments.

(d) In each semester students should enroll in the courses as per "degree / program road map" issued by the concerned department and shall not enroll in advance courses unless they have

(e) Students in undergraduate programs shall not enroll in less than 3 courses and more than 4 courses in a regular semester.

(f) Student in graduate programs shall not enroll in less than 2 courses and more than 4 courses in a regular semester.

(g) In summer semester students can enroll up to two courses.

Transfer & Equivalence Courses

(a) The department concerned shall admit students who wish to transfer their credits earned from an HEC recognized institution (university or collage) to UOL on the recommendation of the departmental equivalence committee.

(b) He/she shall be required to fill the migration form available with registrar office.

(c) Affiliated college student may be required to produce parent institution's transcript and NOC.

(d) Transfer of credit will be communicated to the registrar office for issue of notification on case to case basis by each department.

(e) The equivalence committee of the department is authorized to review and approve the equivalence of courses completed at another recognized degree awarding institutions.

(f) The course completed at another accredited institution will be show as exempted along with credit hours of each course. Their grade will not be shown on UOL transcript.

(g) Exemption shall only be granted by the equivalence committee of the concerned department.

(h) Exempted courses will not be shown on interim transcript.

Exemptions

(a) Students who wish to transfer their credits to UOL LBS be granted exemptions up to a maxim of 50% course of the program/degree, even if he/she had completed most of the courses of that program of the previous institution.

(b) Exemption in courses(s) shall be granted according to the following criterions.

1. Course and credit hours should conform to the programs outline of UOL department.
2. Course having less than 'B' grade for graduate programs and less than 'C' grade for undergraduate programs will not be considered
3. Satisfactory performance in test\interview.

The Semester System

The classes for different programs are conducted on the pattern of semester system. This system is based on instructional autonomy

aims at progressive development of student's information level, skills and competence.

Academic Calendar

The academic calendar consists of two regular semesters i.e. winter and fall. Each semester runs over 18 to 20 weeks, out of which 16 weeks are reserved for regular classes, one week for final examinations and one week for course review. A short semester called summer semester of 8 weeks is arranged for the student to overcome their deficiencies.

Attendance Policy

(a) The following attendance critter on will be applied:

1. A minimum requirement for a student to complete the semester is 75% attendance in each course. The department will determine the exceptions to this rule it any.
 2. The head of department and the teacher concerned are authorized the course enrollment of any student to the shortage of attendance. Such action may be taken when the absence in a course exceed 30% of the total attendance required for the course.
- (b) Student with poor attendance record will be issued a written warning at any time during a semester. The department reserves the right to inform the student's parents or guardian

ADMISSION POLICY (CONT.)

consequences including withdrawal from the course or admission cancel.

(c) In case a student joins a course after it has started, he/she will be responsible to make up the deficiencies for any quizzes, assignments and attendance requirements.

Fee Concession and Financial Aid

(a) Students who want to avail the facility of financial assistance or fee concession shall obtain the prescribed form from admission office and after completion submit the same along with his application. The Application will be reviewed by the director of finance.

(b) Fee concession / financial is subject to maintaining a semester GPA of 3.00 in each semester failure to do so may lead to complete withdrawal or reduction of fee concession as decided by the director of finance.

(c) Tuition fee etc. shall not be refunded, but will be adjusted in the next semester in accordance with the conditions prescribed for this purpose.

(d) Students may be allowed to pay their fee in installments with the permission of departmental head and director of finance.

(e) The fee shall be paid on the dates as notified from time to time.

(f) A fine of Rs 25/- per day will be charged in case of late deposit of fee.

(g) A Student will be automatically de-registered if he/she fails to clear the dues within two weeks after the notified date.



EXAMINATION RULES

(a) In addition to mid term test(s) and final examination, the Department can require students to take quizzes, projects, assignments, case studies, term papers and presentations in accordance with course requirements.

(b) Final examination will cover entire course content.

(c) Students results will be formulated by the teacher on the basis of attendance, quizzes, projects, assignments, case studies, term papers and presentations, mid term test and final examination and after fulfilling any other evaluation criteria required by the Department.

(d) The Department, on completion of final examination shall send under a covering letter signed by the Head of Department or by an official nominated by him, students' consolidated results in each subject/course on a Marks Sheet to CE Office within three weeks of the final examination.

(e) If a student who wishes to have their Semester results reviewed are to be dealt with by the HOD according to the policy of the University.

(f) Any student scoring a Semester GPA less than 1.0 in a semester will

she earned less than 'C' grade of that semester.

(g) On completion of program, student (s) will be required to appear in a comprehensive examination where it is required. It shall encompass all the subjects the student has studied and passed in that program.

(h) Computation & review of results should be completed by the Department within three weeks of the final examination. CE will compile and declare the overall semester result in Semester Grade Points Average (GPA) and Cumulative Grade Points Average (CGPA) on the following basis:

A: 85–100 % 4.00
(Exceptionally Outstanding)

A-: 80–84 % 3.75 (Outstanding)

B+: 75–79 % 3.50
(Excellent)

B: 70–74 % 3.00
(Very good/High pass)

C+: 65–69 % 2.50
(Good/Pass)

C: 60–64 % 2.00
(Satisfactory / Acceptable)

D+: 55–59 % 1.50
(Poor but not Fail)

(Unsatisfactory, but not fail)

F: Below 50% 0.00
(Fail)

X: 0.00
(Failure - Unofficial Withdrawal)

I: Incomplete

W: Official withdrawal

GPA = SUM (Course Credit Hours × Course Numerical equivalent of grade) /SUM Credit Hours

"I"- Incomplete: A temporary course grade 'I' is granted by an Instructor when necessary absence, or other reasons prevent completion of course requirements by the end of the Semester and the instructor believes that the student's performance in the course generally has been satisfactory. An "I" is not given as a substitute for failing or obtaining low grade. Incomplete grades will convert to an "X" if not removed within one semester from the date of the declaration of the result.
"X" – (failure) Unofficial Withdrawal: the symbol "X" is used to indicate that a student has never attended class or has discontinued attendance and does not qualify for the Grade of "" The "X" will be compiled into the student's Grade point Average.
"W"- Official Withdrawal A grade

student officially withdraws from the course or from the University at least one day prior to the Final examination.

"Probation" If a student earns a CGPA of less than 2.00 in the subsequent semesters than he will be placed on probation till he obtains CGPA of 2.00 and above.
"Good Standing" If a student earns a CGPA of 2.00 or above he shall be placed on "good standing".
Re-Examinations

If student does not appear in the final examinations due to viable reason (s), he may make a written request for re-examination within one week of final examination. The student will pay examination fee of Rs. 500/- per course. The Chairman BOG/Rector will examine the student request on the recommendations of the HOD and decide for re-examination or otherwise.

Warning

Whenever the CGPA of a student is less than as that prescribed above the Head of the Department, will issue warning to him / her and place him / her on probation.

Removal from Probation

When the conditions of Good Standing are restored, Probation will be removed.

Cancellation of Admission:

The admission of students who, after having been placed on probation, fail to make good

semesters, will be cancelled.

Appeal against Cancellation of Admission

A student can appeal against cancellation of his/her admission on academic grounds. In such case the department has the discretion to recommend status to the Rector whether or not to change the applicant's admission from Cancellation to Continuation on probation for an additional semester by considering the applicant's commitment to studies and other relevant academic factors.

Time Limit for Course Drop

(a) A student can drop a course only within first two weeks of the commencement of semester with carry forward of fee already deposited. After this period no carry forward on the fee paid for the subjects will be allowed except for circumstances enunciated in sub Para (b) below.

(b) Dropping of a course within two weeks of commencement of semester is allowed in exceptional circumstances, like; clash in the time table or for reason of sickness beyond one's control and duly certified by a registered medical practitioner.

Course Drop or Semester Freeze

Due to unforeseen circumstances and personal situations beyond student's control, he may be allowed to drop course(s) or freeze the semester as per following

a) If the course(s) are dropped or semester freeze is applied within two weeks of the commencement of the semester then no dues will be charged and if the fee has been paid, the same shall be adjusted in the next semester.

b) If the student is not enrolled and applies for semester freeze within two weeks of commencement of semester then no fee will be charged.

c) In case the student is not enrolled in that semester and applies for semester freeze after two weeks till the end of that semester then semester freeze fee of Rs. 5000/-

d) In case the student does not apply for semester freeze within that semester then he/she shall deposit semester freeze fee of Rs. 10,000/- per semester.

e) After enrollment a student is ineligible to apply for drop of a course (s) or freeze the semester after two weeks of commencement of the semester and shall pay full fee and dues of that semester.

f) If a student fails to enroll in three consecutive semesters or fails to apply semester freeze for three consecutive semesters (excluding summer semesters) the student shall be automatically de-registered.

g) In case a student rejoins the

EXAMINATION RULES (Cont.)

she shall pay the re-registration fee as laid down and semester freeze fee mentioned above for the number of semesters he/she has missed.

Supply of Semester Grade Report

1. Statement on a printed form, showing the grades obtained by a Student in each head of subject shall be delivered to the Students through the department concerned.

2. Applications from Students for an inquiry into the correctness of their result shall be submitted to the Head of Department and must be accompanied in each case with a fee of Rs. 1000/- for each subject. The inquiry shall deal only with the correctness of results and shall not include re-examination of the Students answer books. No such application will be accepted unless it reaches the CE Office through the Head of the Department within 30 days from the date of publication of the result.

3. All answers books of the Students will be destroyed after 120 days (one hundred and twenty days) after declaration of the Results.

Award of Degree

1. A minimum CGPA of 2.00 without any 'F' grade for the total

shall be required for the award of degree. Each student shall also be required to (1) complete laid down duration, pass number of courses as well as prescribed by respective department (2) clear all dues and that (3) has no disciplinary action is pending against him/her.

2. Student shall qualify for a degree with honors if they satisfied in the following conditions:

(a). Have earned a cumulative GPA of 3.70 or above out of maximum of 4.00

(b). Have not repeated courses

(c) Have not been readmitted

(d). Have not earned 'F' grade during the course of study.

3. If a student on completion of his program fails to achieve a CGPA less than 2.00 will only be provided with a transcript showing the grades he has obtained and the CGPA only. He will not be eligible to receive the degree of that Program.

4. Each successful Student at the completion of the program shall receive from the CE a transcript signed by him on the prescribed form.

5. Each successful Student

a Degree conferred on him in the prescribed form. Chairman Board of Governors, the Rector and the CE shall sign the Degree. The Degree of successful Students not present at the Convocation shall be issued to them on payment of the prescribed fee.

6. The degree may be issued to a successful student before the convocation on payment of prescribed fee.

Miscellaneous

1. A Student who fulfills all the requirements of the degree and has completed the program in laid down time period with out failing is eligible for the gold medal award of that year as per University rules.

2. An overall best performance award will be given to a student of the same program, if he obtains maximum aggregate of marks in the students of that program passing that year.

3. Notwithstanding anything to the contrary contained in these rules, no student shall be admitted to an examination after the expiry of seven academic years. Provided that a Student who is admitted directly to a higher class in the University, the period already spent by him in studying the relevant discipline shall be excluded from the aforesaid period



STUDENTS CONDUCT & DISCIPLINE POLICIES

Students are expected to demonstrate ethical and moral values required by the University. For this purpose student(s) will be subjected to disciplinary rules framed by the Board of Governors of the University. A copy of these rules can be obtained from the Office of the Registrar. While filling in application form, the students are required to sign an affidavit that they will maintain discipline as required under the discipline rules. The affidavit form is a part of the application form. In case of breach of discipline on any account specified in the discipline rules, the matter will be reported to the “Discipline Committee”, for the final decision in accordance with the norms of justice and keeping in view the evidence available thereof.

STUDENT DISCIPLINE RULES (Revised February 2009)

The Discipline Rules have been formulated under the University Ordinance No LXI of 2002 The purpose of these rules is to streamline the discipline among the students of the University. These rules are a revision of 2006 of University of Lahore Discipline Rules and the amendments made herewith, with effect from February 18, 2009, approved by the Rector and Chairman BoG.

with immediate effect.

Every Student

a) Shall be faithful in his/her religious duties and respect the convictions of others in matters of religion and customs.

b) Shall be faithful and honest in his/her dealing with all people.

c) Shall be loyal to his/her country and refrain from doing anything which might damage his/her honor and prestige.

d) Shall respect the elders and be polite to all.

e) Shall respect the teachers and others in authority in the University.

f) Shall keep himself/herself clean in body and mind standing for clean speech and clean habits.

g) Shall help his/her fellow being especially those in distress.

h) Shall devote himself/herself faithfully to his studies.

i) Shall protect the property of the University.

1.0 Definition

In these Rules, unless the context otherwise requires, the following expressions shall have the meaning hereby respectively assigned to them “University Discipline

constituted by Board of Governor for the purpose of maintaining discipline in University and among the students. “Department Discipline Committee” the Committee constituted by Board of Governor for the purpose of maintaining discipline in Department and among the students.

“Appellate Authority” means the University Discipline Committee, Rector UOL and Chairman Board of Governors and other teachers/officers of the University to whom the powers may have been delegated.

a) “Rector” means the Rector of the University.

b) “Chairman” means the Chairman of the Board of Governors of the University

c) “Chairman of the Committee” means the Chairman of University Discipline Committee appointed by the Board of Governors.

d) “HoD/Director/Dean” means the head of the Department Discipline Committee appointed by the Rector and/or Chairman BoG.

e) “Member” means the members of the Discipline Committee approved by the Rector and/or Chairman BoG.

a) “Students” means the students

2.0 Introduction

The University believes that student conduct is an important personality trait and as such expects its students to act in an ethical and moral way. Student behavior is a major issue for everybody who works in a campus. Anti-social or criminal behavior usually damages people emotionally as well as physically, be it the students, staff or teachers. It results in a great deal of unintended worry and distress for the victims and their families. The University has zero tolerance on such acts or the consequences resulting from behavioral misconduct.

2.1 Student Discipline

The University has a disciplinary system, the purpose of which is to protect the University community and to deter those who interfere with its work and activities. Students agree to abide by the University rules at the time they register themselves as University students. Parents, staff and students all expect the University to maintain a safe, orderly and peaceful environment – the University takes this very seriously.

2.2 University Discipline Committee

The University Discipline Committee shall be formed by the Rector UOL and shall be headed by the Chairman University Discipline Committee. The University Discipline Committee shall consist of members not below the rank/

This committee shall supervise and guide the department Discipline Committees as and when required.

2.3 Department Discipline Committee

To expedite discipline cases, the Rector has authorized the departments to constitute Department Disciplinary Committees for the purpose of efficient processing of the disciplinary cases. The HoD and Director of Department or Dean of the Faculty shall constitute a Departmental Disciplinary Committee to handle discipline cases and give decision according to the UOL Discipline Policy.

3.0 Procedure

For the purposes of this policy, the following guideline may be followed

3.1 The HoD/Director/Dean shall designate their staff / faculty members to communicate the rules/policy of student conduct to the students, and also assure or take steps to watch the general conduct of the students during their presence at the department / University. It is strongly recommended that a faculty member or staff may be designated to keep watch on the students from time to time.

3.2 The HoD/Director/Dean shall put up a general notice which shall communicate to the students that all complaints must be brought to the notice of the HoD/Director/

3.3 The students must submit a written complaint in the department. The department shall also ask the accused to submit a written reply in response to the complaint. Applications of witnesses shall also be collected and maintained for record.

3.4 The department committee shall schedule a meeting and ask both parties to the disciplinary hearing, and shall record their attendance as well as minutes of the meeting.

3.5 The department shall make effort to review the applications and statements of the witnesses, and give their decision on the day of the hearing. A copy of the decision shall be sent to the Chairman UOL Discipline Committee, Rector and to the Registrar’s Office.

3.6 A student who is under investigation by the department discipline committee shall be suspended from attending classes, till the time a decision has been taken by the committee.

3.7 A student who is punished by the discipline committee shall not be allowed to attend the university. In case of rustication, the student ceases to be a student of the University or campuses of University.

3.8 A student who is suspended from the university remains

to pursue a course of study in either the university or other departments of University during the period of suspension.

4.0 General Guideline on Misconduct

An act of misconduct by a student is an offence and falls under the preview of the discipline rules/policy. Guideline on this misconduct is displayed for information.

4.1 A student commits an act of general misconduct if the student, within the university;

- a) Attacks, harasses or threatens to attack or harass any person;
- b) Intimidates or attempts to intimidate any person; willfully, recklessly or negligently engages in conduct which causes or is to cause bodily injury to any person;
- c) Engages in conduct which involves unauthorized or unjustified use of or interference
- d) Which causes or is likely to cause injury or damage to; or denies or obstructs or is likely to deny or obstruct the rightful use of any property of the university or of any person;
- e) Disobeys any reasonable order or direction given to the student by a faculty member, officer or employee of the university in relation to the use of any property of the university.

premises or class rooms, laboratories, library and Examination Hall.

g) Consume alcohol/liquor or other intoxication drugs within the University Campus, classrooms, laboratories, and library or during instructional tours.

h) Use mobile phone with camera in the premises of the University in the classrooms, University library, laboratories, examination hall and studio.

i) Collect any money or receive donation or pecuniary assistance from or on behalf of the University except with the permission of the Rector.

j) Stage, incite or participate in or abet an walk out or strike or other form of agitation against the University or its teacher and officers.

k) Behave in a non ethical and unsocial manner in the University premise.

l) Indulge in fighting and use fire arms, daggers and knives.

m) Call relatives/friends for fighting in the premises of the University.

n) Involve in activities that are against the University discipline like playing music in cars, drive the car noisily, or play the alarm signal consistently.

o) Behave improperly on

University or in ground/stadium organized by the University

p) Frame any political association with any political party.

q) Organize or take part in any function within the University campus or a hall of residence or organize any club or society of students which is detrimental to the objectives of the university.

r) Collect any money or receive donation or pecuniary assistance from or on behalf of the University except with the permission of the Rector.

4.2 The faculty or officer may take action, if a student commits general misconduct and the officer or employee concerned has reasonable cause to believe that such order or direction is necessary to ensure the safety of any person;

a) To prevent damage to or destruction of the property;

b) For the performance of the officer's or employees duties in relation to the custody, maintenance or use of the property;

c) Refuses or fails to provide identification when requested to do so by an officer or faculty or employee of the university acting in the course of official duties, provided that when making such a request the officer or employee

d) Interferes with the orderly conduct of a teaching group or ceremony of the university or a meeting of the board of directors, committee, subcommittee or any body constituted by or under the university's charter, policies, regulations or appointed by any body so constituted;

e) In an examination, is in possession of material contrary to the instructions for the examination;

f) Copies or attempts to copy computer software without the permission of the university and or in breach of the Copyright Act of the Government of Pakistan;

g) Without appropriate authority, enters a file belonging to another person,

h) The file being on a computer which is the property of the university; or

i) Breaches any laws, by-laws, enactments, statutes, policies, rules, regulations, directives and/ or otherwise enforced by the proper authorities and/or

j) The University, including (without limitation to the aforesaid) where the student promotes a political party or agenda or tries to make a party with the intention of promoting the political party's agenda.

authority of the university

4.3 The misconduct is categorized into minor and major offence. These may be noted as follows.

4.3.1 Major Case of Misconduct

a) Misbehavior with a teacher/officer of the University

b) Fighting incidents

c) Use of alcohol in the premises of the University

d) Teasing the girl students

e) Strike/protest etc.

f) Theft/damage to University property

g) Promotion of political party/agenda/unions

h) Any other incident/misconduct which the committee feels falls in the preview of major offence.

4.3.2 Minor Case of Misconduct

a) Exchange of arguments among students

b) Making noise in the University

c) Playing music in cars

d) Late coming in class, playing cricket on University roads

e) Smoking in the University

f) Any other incident/misconduct which the committee feels falls in

5.0 Punishments on breach of Discipline Rules

5.1 In the major cases, the Discipline Committee shall be authorized to rusticate or expel a student at fault. But before the punishment is announced the student at fault shall be given a chance to defend himself/herself in writing and a chance of personal hearing by the Committee.

5.2 In Minor cases, the Head of department is expected to suspend the student from his/her classes for not more than seven consecutive days or fine him up to a minimum of Rs. 5000/- or more keeping in view the gravity of the situation.

5.3 The concerned teacher may fine a student up to a maximum of Rs. 1000/- or he may expel the student from the class

6.0 Right of Appeal

6.1 The student shall have the right of appeal to Board of Governors against the punishment awarded by the Discipline Committee, if he/she puts up the appeal within fifteen days of date of decision. The appeal may, however, be disposed off by the Rector subject to the approval of the Board of Governors.

6.2 The Board of Governor after due consideration may take such decision as may be considered appropriate according to the merit

ACCOMMODATION RULES AND POLICIES

For the purpose of admission to the Hostels, allotment of accommodation, maintaining discipline and conduct, arranging and organizing messes, the following rules and regulations as laid down hereinafter shall be followed.

Conditions Of Allotment For Accommodation In The Hostels

1. Allotment in the Hostels shall not be claimed as a matter of right even when a person is a bonafide student of the University.
2. Allotment for accommodation in the Hostels will be considered only after the Allotment Committee/ authorized person has scrutinized the application and satisfied itself of the merit and eligibility of the student and that his/her stay in the Hostels shall in no way be prejudicial to the interest of other residents in Hostels in particular and the University in general.
3. The Hostels facility is available to all UOL students. Passing out students may also apply for extension of stay.
4. A student can reside in the hostels till completion of his/her course of studies. However, the University reserves the right to cancel allotment at any time.

Conditions of Ineligibility

The following shall be ineligible for

the Hostels:-

1. A student rusticated, expelled or debarred from the University or any other educational University inside or outside Pakistan.
2. A student wanted by the police or any other law-enforcement agency(ies) in criminal case(s), or against whom case(s) is/are pending in any court of law of the country on account of anti-state or anti-social activities or for criminal offense(s) involving moral turpitude or has been or has remained under detention under any preventive law.
3. In case of the above, care will be taken that the mere pending of a criminal case against a student in a court of law shall not render him ineligible for admission in the Hostels. It will also be ensured that on honorable acquittal by the court, the student so declared ineligible, be reconsidered for admission in the Hostels and may be so admitted if otherwise found eligible.
4. A student whose presence in the Hostels is deemed to be detrimental or prejudicial to the peace, tranquility and academic atmosphere of the Hostels or University and the interest of the residents of Hostels and campus.

5. Resident once expelled from the Hostels.

Allotment Procedure

1. Application for allotment of accommodation in the Hostels be made by the bonafide student of the University on prescribed form accompanied by undertaking from parent/guardian certifying good character of the student and in-time payment of hostels dues.
2. The form shall be placed before the Hostels allotment committee which will consider the application for allotment on the basis of criteria fixed by it. The allotment committee shall have the right to reject or accept any application without assigning any reason.
3. Previous residents may also apply afresh each academic semester on the prescribed form.
4. After the names of the successful candidates are announced, they shall comply with the allotment requirements to the Hostels within the prescribed time limit or their names shall be taken off the allotment list.

5. Guests shall not be allowed to stay in the Hostels.

6. The allotment of accommodation will be made after the candidate has produced the payment receipt of the fees/dues against him.

7. The applicant shall have to

the prescribed form from his/her parents/ guardian holding him/her responsible for payment of Hostels dues in case his/her ward fails to make the payment.

8. Residents shall sign a receipt of Hostels property/assets in their rooms and shall be responsible for any loss or damage thereto.

9. Residents shall strictly abide by all the rules of discipline, conduct and regulations that may be enforced in the Hostels from time to time.

Hostels Fees

Applicants are supposed to deposit an amount of Rs. 7,000/- per month as Hostels fee at the time of admission.

Conduct & Discipline

The following in addition to rules of conduct which may be prescribed from time to time shall constitute acts of indiscipline and violation of Hostels discipline for which action may be taken against the Hostels resident(s) concerned by the officers as prescribed in clause I:

1. Keeping firearms and other lethal weapons or any other material not necessary for academic pursuits in the Hostels even if licensed.

2. Keeping unauthorized persons in the room/seat allotted to a resident.

than the one allotted to the resident without prior permission of the Allotment Committee.

4. Sub-letting the room/seat allotted to the resident or any other room lying vacant due to various reasons.

5. Non-handing over vacant possession of the room/seat at the end of the period for which allotment was made.

6. Non-payment of Hostels dues during the period of the year for which allotment was made in the Hostels.

7. Keeping or making use of illicit drugs or other intoxicants, not including drugs prescribed by authorized medical attendants on account of any illness suffered by the Hostels resident.

8. Keeping electric appliances such as refrigerator, air conditioner, television, oven, burner, heater etc., in the room. If a Hostels resident wishes to have an air-conditioner, she will be charged at the prevalent electricity rates.

9. Engaging in any immoral or agitational and violent activities or creating nuisance or disturbing the peace and tranquility in the University campus.

10. The parents/guardians cannot see the students in their rooms except the designated places.

or causing damage by acts of vandalism, removing or damaging Hostels or University property.

12. Barricading stairs, corridors, gates and other area in the Hostels/ campus of general use.

13. Staging sit-ins, lockups, occupying Hostels wardens or other administrative offices.

14. Use of abusive languages towards other residents and/or University authorities and employees.

15. Use of Hostels rooms or premises for group parties, political assemblies and for purposes other than those for which they are meant.

16. Inviting outsiders to address Hostels residents is strictly prohibited.

17. Pasting of posters/chalking on Hostels or other campus buildings, premises or compound walls or any portion thereof.

18. Inciting parochial, linguistic, sectarian or religious feeling among Hostels residents.

19. Staying away from the Hostels premises after 8p.m. in the Winter and 9:00 pm in the Winter prior permission from Hostels authorities is not allowed

20. Late comers or those leaving the Hostels early will be required

ACCOMMODATION RULES AND POLICIES (CONT.)

gate or reception stating the reasons for late coming or early departure.

21. The Hostels authorities shall reserve the right to search the personal belongings and baggage of the residents at the time of entering the Hostels or while residing in the allotted accommodation.

22. Cooking in the Hostels rooms is strictly prohibited.

23. The University administration is not responsible for the loss of any property of the Hostels residents.

24. All damages will be repaired at the expense of the boarder responsible.

25. Student shall take due care of the bathrooms and taps and shall not allow them to run to waste. Anyone found doing this intentionally will be liable to punishment.

26. Defacing walls and fixtures is strictly prohibited, moreover the furniture or fixtures will not be moved from one room to another and the residents are particularly warned against removing furniture from the mess and Common Room.

27. Students must keep their

should properly be arranged and a bed cover used. Dirty clothes should be stored separately.

28. Spitting in public or private rooms verandah or on stairs is prohibited.

29. All waste papers and garbage must be placed in receptacles provided for the purpose.

32. Every part of the Hostels premises shall be freely open for inspection by the Superintendent or warden at all times.

30. No religious ceremony likely to injure the feelings of other boarders shall be arranged in the Hostels.

31. No boarder shall indulge in any amusement that disturbs other boarders.

Action Against Indiscipline

Depending upon the severity of the disciplinary act/omission on the part of the resident(s) of the Hostels, the authority to impose punishment, fine, penalty shall be used by the Pro-vost/Wardens/ Allotment Committee to the extent given below:-

1. The Resident Warden shall use his/her authority to impose fine to the extent of Rs. for each single act of indiscipline.

2. The Senior Warden shall be authorized to impose fine up to Rs. for each single act of indiscipline.

3. The Allotment Committee may in case of the gravity of an offense provisionally cancel allotment of accommodation in the Hostels and also refer the matter to the University discipline committee with the recommendation for further necessary action leading to rustication from the University.

4. The Hostels Committee is authorized to cancel allotment of any Hostels resident on account of the above-mentioned reasons.

5. In case of loss due to acts(s) of vandalism, the matter relating to assessment of damage/ loss will be referred to the Hostels Allotment Committee who while assessing the loss will also fix the responsibility and extent of loss on the person(s) liable for the act from whom recovery should be made. In the absence of evidence leading to fixation of individual responsibility, the Hostels Allotment Committee may decide to order recovery from all the residents or such of the residents as may held liable and act of vandalism.

Visitors

No visitor shall be allowed to meet the residents of Hostels before

the Hostels after 08.00 p.m. He/She will have to record his/her name, address, signature, time of arrival and departure in the register kept at reception.



CENTRAL LIBRARY RULES AND POLICIES

Library Timings

• Library will remain open from 8:00 am. To 09:00 p.m. from Monday to Friday and Saturday 08:00 am to 02:00 pm.

• There will be a break of Jumma Prayer & lunch from 01:00 p.m. to 02:30 p.m. on Friday.

• Timing for Circulation Section & Archive Section will be from 8:00 am. 08:45 pm.

General Rules

• Only registered library users can use the library

• Complete silence should be observed in the library.

• Drinks and eatables are not allowed in the library.

• Smoking is strictly prohibited.

• Discussions / meetings are not allowed in the library.

• Please use library locker for your personal belongings (such as personal books, briefcases, handbags, etc.)

• Library disclaims any liability for loss or damage of any member (s) personal belongings.

• Any book or object should be shown for inspection, so requested by library staff at any time.

• Books are carefully examined on return and the borrower will be held responsible for the damage.

• Library books should be left on the reading tables, library staff will re-shelf them.

• If any library user disturbs the study environment for other library users, he/she will be given one verbal warning, if despite the warning; the user repeats the same attitude: he/she will be debarred from entering the library premises for the same day.

• Books are liable to be recalled before the date, if required for some special purpose.

• All library rules are displayed on library notice board, library administration will not be responsible for ignorant of rules.

• Mobile phone usage is not allowed in the library.

• Do not change configuration of computer or any other equipment in the library.

• A security deposited under any of the foregoing regulation shall lapse to the university if it will remain unclaimed for a period of one year from the date on a borrower ceases to be student of the university.

member who is found misusing the library material or facilities.

• Every Library Member is advised to inspect the library books or material at the time of issue.

Library Membership

• To enjoy the facilities offered by the "central Library", the faculty I staff & students should submit Membership/Registration Form (duty filled) for library membership.

• Students members are advised to keep their university cards with them while using the library.

• Change of address I telephone number, e-mail address must be reported to the Librarian immediately.

Loan Privilege

The following category will be allowed borrowing the library material as per rules.

Borrowing Limit and Period

HOD
8 books for 45 days

Professor
6 books for 45 days

Faculty
4 books for 30 days

Visiting Faculty
2 books for 25 days

Staff

2 books for 14 days

Student

2 books for 14 days

Lending Rules for Students

I. Students are entitled to borrow up to Two Books for a period of 14 days. Books may be renewed for further 14 days if another user has not reserved the desired book.

II. Overdue books will not be reissued until the fine is not paid.

III. Reference Material and CDs, may only be issued for one day as per special necessitate.

IV. Annual Reports, Projects, Thesis, Pamphlets, Periodicals and Newspapers cannot be checked-out, and can only be consulted within the library.

V. Books already checked-out by some other user can be reserved. If the books are not collected within 2 days, the reservation will be cancelled.

VI. Presentation of Library Membership I University Card is must for any checkout at the Circulation Sec-8 Archive Section.

VII. If a member misplaces a book I library material and cannot find it after a thorough search, he / she must report to the Librarian immediately to avoid overdue fine.

VIII. Mutilation of library material

should be reported so that suitable assessment can be made & damages paid.

Fines

Violation of the library lending rules may result in following fines:

I. A borrower who fails to return the library book/s or any material on due date, shall have to pay a fine of Rs.10/- per day per book.

II. In the case of book loss or defacement by a user, he/she will be charged two times I double the current price of the book or replace the book.

III. The Librarian shall decide the price of rare I special books. Member shall not mutilate, or damage by writing or marking on pages, any book or publication, nor shall they trace or perform mechanical reproduction of a material belonging to library without formal permission of the Librarian, violation of this rule shall require replacement of damaged volume or payment of its price specified under the rule.

IV. If one volume of a set! S eries is damaged and it is not available separately, the whole set shall have to be replaced or paid by the member as specified in the rules.

V. The amount received from a member as cost of lost or damaged books or materials or for not returning the books after due date may be spent on the welfare or

Disabling Fine

• Rs.50/- on 1st violation. Rs.100/- on 2nd violation if the patron continuous violation. Case could be reworked to disciplinary Committee on 3rd violation.

• All kinds of fine will be paid on account office receipts. Library account will be blocked in case of non-payment of fine.

Library Clearance

• The result of students, having library membership. Will not be declared unless they provide a Clearance Certificate issued from the library The Librarian will notify to the controller of Examination the list of defaulters.

• Clearance from the library for leaving students will be requisite and shall be granted after checking the record of the library regarding the following;

1. Whether any book is out standing with the student.

2. Any fine is payable by the student.

3. Any legal action pending against student.

• Other Library Members will have to clear their "Library Accounts" to have Library Clearance by returning all the borrowed book/s or library material.

• Library clearance shall be given

FEE STRUCTURE

Program	Full Name	Duration	1st Semester Fee	Registration Fee	Total 1st Semester	Total Cost
Electrical Engineering						
B.E.E	Bachelor of Science in Electrical Engineering	4 Years	72,600	20,000	92,600	597,200
M.E.E	Master of Science in Electrical Engineering	2 Years	39,000	20,000	59,000	213,000
Civil Engineering						
B.C.E	Bachelor of Science in Civil Engineering	4 Years	68,000	20,000	88,000	600,000
Mechanical Engineering						
B.M.E	Bachelor of Science in Mechanical Engineering	4 Years	72,000	20,000	92,000	594,800
Technology						
B.S.T	Bachelor of Science in CVT Technology	4 Years	34,000	20,000	54,000	314,000
B.E.T	Bachelor of Science in Electrical Technology	4 Years	40,600	20,000	60,600	319,200
B.M.T	Bachelor of Science in Mechanical Technology	4 Years	40,600	20,000	60,600	322,400
Information Technology						
B.E.S	Bachelor of Science in Computer Science	4 Years	45,400	20,000	65,400	452,200
M.Sc.-IT	Master of Information Technology	2 Years	58,600	20,000	78,600	253,400
M.C.S	Master of Computer Science	2 Years	58,600	20,000	78,600	253,800
M.C.S	Master of Science in Computer Science	2 Years	38,800	20,000	58,800	162,000
Electronics						
B.E.E.S	Bachelor of Science in Electronics & Electrical Systems	4 Years	52,600	20,000	72,600	418,600
M.E.E.S	Master of Science in Electronics & Electrical Systems	2 Years	33,000	20,000	53,000	183,000
Institute of Molecular Biology and Biotechnology						
B.SCH	Bachelor of Science in Biochemistry	4 Years	49,600	20,000	69,600	381,300
B.SBT	Bachelor of Science in Biotechnology	4 Years	47,100	20,000	67,100	376,900
B.S.E	Bachelor of Science in Environmental Sciences	4 Years	49,600	20,000	69,600	397,500
B.S.M	Bachelor of Science in Microbiology	4 Years	49,600	20,000	69,600	378,800
B.S.M.L	Bachelor of Science in Molecular Biology	4 Years	49,600	20,000	69,600	380,100
M.B.C	Master of Science in Biochemistry	2 Years	54,600	20,000	74,600	230,600
M.B.T	Master of Science in Biotechnology	2 Years	62,200	20,000	82,200	234,200
M.M.C	Master of Science in Microbiology	2 Years	54,600	20,000	74,600	230,600
M.M.L	Master of Science in Molecular Biology	2 Years	54,600	20,000	74,600	230,600
M.Ph.I	Master of Philosophy in Biochemistry	2 Years	98,800	20,000	118,800	327,400
M.Ph.B	Master of Philosophy in Biotechnology	2 Years	98,800	20,000	118,800	326,800
M.Ph.MC	Master of Philosophy in Microbiology	2 Years	98,800	20,000	118,800	327,400
M.Ph.ML	Master of Philosophy in Molecular Biology	2 Years	98,800	20,000	118,800	328,000
M.Ph.I.P	Master of Philosophy in Physiology	2 Years	98,800	20,000	118,800	327,400
M.Ph.E.S	Master of Philosophy in Environmental Sciences	2 Years	131,400	20,000	151,400	352,000
Mphil Leading to Ph.D	Mphil Leading to Ph.D	5 Years	109,000	20,000	129,000	765,200
Ph.D	Doctor of Philosophy	3 Years	98,400	20,000	118,400	562,800
Pharmacy						
Pharm-D	Doctor of Pharmacy	5 Years	78,100	20,000	98,100	710,400
M. Phil Pharmacy	Master of Philosophy	2 Years	86,000	20,000	106,000	337,000
Lahore School of Nursing						
B.Sc.N	Bachelor of Science in Nursing	4 Years	36,600	20,000	56,600	324,400
B.Sc.N Post RN	Bachelor of Science in Nursing Post RN	2 Years	41,200	20,000	61,200	172,600
B.Sc.(Hons.)JMF	Bachelor of Science in Midwifery	4 Years	36,600	20,000	56,600	313,000
B.Sc.N(Fast Track)	Bachelor of Science in Nursing (Fast Track)	1 Year	34,800	20,000	54,800	117,800
DCM	Diploma in Community Midwifery	18 Months	16,800	10,000	26,800	40,600
DC.N	Diploma in General Practice Nursing	1 Year	35,000	10,000	45,000	45,000
DL.N	Diploma in Licensed Practical Nursing	2 Years	35,200	10,000	45,200	79,800
DC.N	Diploma in Operation Theatre Nursing	1 Year	35,000	10,000	45,000	45,000
DPN	Diploma in Paediatric Nursing	1 Year	35,000	10,000	45,000	45,000

Program	Full Name	Duration	1st Semester Fee	Registration Fee	Total 1st Semester	Total Cost
University Institute of Radiological Sciences and Medical Imaging Technology						
PGD MDIS	Post-Graduate Diploma in Medical Diagnostic Ultrasound	6 Months	61,000	20,000	81,000	81,000
CMUT	Certificate in Medical Ultrasound Technology	6 Months	51,000	20,000	71,000	71,000
DMUT	Diploma in Medical Ultrasound Technology	1 Year	60,600	20,000	80,600	142,100
B.MIT	Bachelor of Science in Medical Imaging Technology	4 Years	41,200	20,000	61,200	330,000
B.Sc. MUT	Bachelor of Science in Medical Ultrasound Technology	2 Years	54,400	20,000	74,400	224,200
MSMIT	Master of Science in Medical Imaging Technology	2 Years	94,900	20,000	114,900	303,500
M.Sc. MUT	Master of Science in Medical Ultrasound Technology	2 Years	89,800	20,000	109,800	284,400
PHDDU	PhD Diagnostic Ultrasound (Gousewari) For Pakistani Nationals	4 Years	132,650	20,000	152,650	749,700
PHDDU	PhD Diagnostic Ultrasound (Gousewari) For Foreign Nationals	4 Years	51,796	5,500	57,296	510,608
PhdDU	PhD Diagnostic Ultrasound (Sandwich Program) For Pakistani Nationals	4 Years	132,650	20,000	152,650	749,700
PhdDU	PhD Diagnostic Ultrasound (Sandwich Program) For Foreign Students	4 Years	51,796	5,500	57,296	510,608
PHDUT	PhD Ultrasound Technology (Care Work) For Pakistani Nationals	4 Years	132,650	20,000	152,650	749,700
PHDUT	PhD Ultrasound Technology (Care Work) For Foreign Students	4 Years	51,796	5,500	57,296	510,608
PHDUT	PhD Ultrasound Technology (Sandwich Program) For Pakistani Nationals	4 Years	132,650	20,000	152,650	749,700
PHDUT	PhD Ultrasound Technology (Sandwich Program) For Foreign Students	4 Years	51,796	5,500	57,296	510,608
PHDMIT	PhD Medical Imaging Technology (Care Work) For Pakistani Nationals	4 Years	132,650	20,000	152,650	749,700
PHDMIT	PhD Medical Imaging Technology (Care Work) For Foreign Students	4 Years	52,160	5,500	57,660	512,680
PHDMT	PhD Medical Imaging Technology (Sandwich Program) For Pakistani Nationals	4 Years	132,650	20,000	152,650	749,700
PHDMT	PhD Medical Imaging Technology (Sandwich Program) For Foreign Students	4 Years	52,160	5,500	57,660	512,680
University Institute of Public Health						
M.I.H	Master of International Health	2 Years	108,500	20,000	128,500	447,000
MPH	Master of Public Health	2 Years	123,500	20,000	143,500	452,200
University Institute of Physiotherapy						
DPT	Doctor of Physical Therapy	5 Years	68,200	20,000	88,200	687,000
University Institute of Medical Lab Technology						
B.S.M.L	Bachelor of Science in Medical Lab Technology	4 Years	26,000	20,000	46,000	204,000
University Institute of Diet & Nutritional Sciences						
B.Sc. DNS	Bachelor of Science in Diet & Nutritional Sciences	4 Years	50,900	20,000	70,900	427,200
Lahore Business School						
PGD Business Admin	Post-Graduate Diploma in Business Administration	1 Year	42,500	10,000	52,500	95,000
BB.A	Bachelor of Business Administration	4 Years	75,000	20,000	95,000	588,800
B.Sc. in	Bachelor of Science in Information Systems	4 Years	75,000	20,000	95,000	531,200
MBA 15 Years	Master of Business Administration 15	1.5 Years	46,200	20,000	66,200	176,800
MBA 2 Years	Master of Business Administration 2 years	2 Years	85,000	20,000	105,000	308,800
MBA 3 Years	Master of Business Administration 3 years	3 Years	95,000	20,000	115,000	569,600
MBA Exe	Master of Business Administration Executive	2 Years	85,000	20,000	105,000	342,400
MBA Health Care	Master of Business Administration Health Care	2 Years	75,000	20,000	95,000	320,000
M.Phil Management	Master of Philosophy in Management	2 Years	84,200	20,000	104,200	232,200
School of Creative Arts						
BA.F	Bachelor of Arts in Fine Arts & Television	4 Years	76,600	20,000	96,600	606,400
B.A.M.C	Bachelor of Arts in Media & Communication	4 Years	76,600	20,000	96,600	606,400
English Language & Literature						
MA English Linguistics	Master of Arts in English Language & Linguistics	2 Years	24,400	6,000	30,400	105,400
MA English Literature	Master of Arts in English Literature	2 Years	24,400	6,000	30,400	104,800
College of Law						
B.A. LL.B	Bachelor of Arts & Bachelor of Law	5 Years	39,800	25,000	64,800	424,400
LL.B	Bachelor of Law	3 Years	90,000	25,000	115,000	298,000

FORM NUMBER

ENTRY TEST ROLL NUMBER

PERSONAL DETAILS

Name:

Father's/Guardian's Name:

NIC No:

In case you do not have a NIC provide Parent's NIC details.

Date of Birth: (DD MM YYYY)

Gender: M F

Place of Birth:

Nationality:

Postal Address:

Phone No:

Mobile No:

Email:

PREVIOUS QUALIFICATIONS

Certificate/Degree/Specialization	Year	Board/University	Marks	Div/Grade

UNDERTAKINGS

Candidates awaiting results are required to sign the following undertaking:

I undertake to submit attested photocopy of my Intermediate/A-Level/DAE/Bachelors/Masters/MPhil result as soon as it is declared. In case, if the result is declared, I will submit it within 3 weeks from the date of admission. If I fail to fulfill the eligibility criteria for admission, The University of Lahore has the right to cancel my admission.

PREFERENCES

Program Applied For:

1st Choice:

2nd Choice:

3rd Choice:

4th Choice:

Photo

I have read the prospectus of the University and understood the contents thereof. The particulars given above are correct to the best of my knowledge. If found otherwise, I shall be liable to any action as per policy of the University. If admitted, I will observe the rules and regulations of the University as prescribed in prospectus. I shall sincerely devote myself to my studies and uphold the dignity and prestige of the University and shall be liable to penalty imposed by the University Authorities in case of violation on my part.

Signature of Applicant: _____ Date: _____

OTHER INFORMATION

All applicants are required to bring the following:

- a) Attested photo copies of all academics degrees/result cards.
- b) Two recent passport sized colour photographs.
- c) Photo copy of CNIC or Form B.
- d) In case of A Level/ GCE, IBCC EQUVALENCE Certificate is required.

FOR OFFICIAL USE ONLY

- NIC _____
- Matric/ _____
- FA/FSc-I/ _____
- FA/FSc-II _____
- BA/BSc/ _____
- Other/ _____

Date Application Received

Applicant's Signature

Received by:

Admission Granted

Admission Rejected