



THE
UNIVERSITY OF
LAHORE

PROSPECTUS
2013-14

uol.edu.pk

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

Patron, 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 Universities (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.

I welcome knowledge seekers and professionals to experience the enjoyable and congenial learning environment at UOL. I am sure that you will find desired values in our programs.



Awais Raouf

Chairman, Board of Governors

The University of Lahore, under the auspices of the IBADAT Educational Trust, has achieved a significant progress in a short period of time by setting up facilities for teaching and research in almost all the disciplines. Established in 1999, The University of Lahore has by now 11 full-fledged Faculties, 24 Departments, 02 Research Centres, 02 Technology Parks. It has teaching faculty of 941 and administrative support staff numbering 1387. Looking at the prevalent educational needs of the masses in the country, it is evident that the Government is not in a position to cater for the population in providing educational facilities, The University of Lahore is thus doing its best to fulfill this gap. There have been problems in the initial phase, however, at this point of time the University has reached a level where it is setting progressive educational culture. The University of Lahore also pays strong emphasis on research as evidenced by the research grants available to various departments within the University and its investment into dedicated research projects, thus encouraging its faculty to conduct original research and publish research papers. We recognize that years spent in higher education are some of the most formative of an individual's 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 & dramatics, the University fosters the growth of leadership and social skills.

In addition to the state-of-the-art class rooms and laboratories, the University provides excellent IT facilities with dedicated PC labs. The University has a fleet of buses, which allows pick and drop facility through to its campuses and around the city. The University also provides transport facility to its faculty. There are two hostels, accommodating 1000 female students, located at the Defence Road Campus of The University of Lahore. The facility features 24 hours security 7 days a week, meeting rooms, social spaces and TV room along with cafeteria and laundry services. High speed internet & WiFi are also available. University wardens & residential mentors manage the facility.

The University enjoys excellent links & partnerships in various areas of knowledge & resource sharing with some of the most prestigious universities of the world. We have in recent years attracted students from Turkey, Palestine, Syria, Jordan, UAE, Somalia, Nepal & Sudan amongst others. Special foreign seats are available in programmes such as Medicine & Dentistry. I am sure that the students at the University find the best return of their money and effort in terms of best educational facilities leading to a prosperous future and enjoyable life.





Prof. Dr. M. H. Qazi
Vice Chancellor

I have watched with deep interest the progress of the University of Lahore, since its inception in the year 1999. From a recent review of various departments of the University, I am encouraged to see that the quality of education has been sustained by our young and experienced faculty. In the changing scenario of instructional technology, the constructivist theory of learning has become the mainstay of the teaching-learning process. Contrary to this, for a large number of years the students have been treated as passive learners. The integration of tools of technology with education has created a different circumstance in which the learner is an active participant and is thus able to use his creative abilities for problem solving. I am pleased to know that on a fully networked campus, the teachers are making best use of this learning methodology. I believe that if this practice is sustained, then, the University will be able to add substantial value to the training of students in accordance with market needs.

The University, after facing initial teething problems, has stabilised to a more progressive educational culture. After strengthening the teaching learner process the university is now carving its path in economically important areas of research, especially in the field of Molecular Biology and Biotechnology. The initiation of Post-Doc programme in this subject is likely to play an important role in the development of specialised human resource in a prospective economic field.

Whereas our teachers are fully involved in the training of students, yet I find a lot of room for further improvement in student-teacher interaction inside and outside the classroom. In a University where cultural advancement is of utmost importance, it is imperative that sufficient space should be provided for extra curricular activities. This aspect should be strengthened by encouraging the students for establishing academic societies. I already see a lot of talent among the students which can be harnessed for such activities. Furthermore, I hope that as we grow, a more intense relationship can be developed between the University and the industry. This is necessary for translation of knowledge into technology.

I see a bright future for the University, and wish the University a great success in the times to come.



Brig. (R) Muhammad Ajaib
President, Islamabad Campus

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 applied sciences to arts. 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 who founded the University of Lahore in 1999 and obtained its charter from the Government of Punjab in 2002. The University of Lahore has been recognized as 'W4' 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 approved by the 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, Law, Management Sciences, IT & Computer Sciences, Mass communications, Technology (Mechanical Civil and Electrical), and Electronic Media have earned their name at national level. Moreover, we will broaden further our diverse range of collaboration in the fields of teaching and research among institutions locally and abroad, create an academic and multicultural atmosphere in the campus, promote knowledge transfer and strengthen social service. The University has established a Quality Enhancement Cell in collaboration with HEC. The entire academic and research work is monitored by this cell. Presently the University of Lahore has more than 1.2 million square feet covered area in Lahore campuses. Buildings have been constructed over 800 kanals of land. The building of hospital is almost complete as per PMDC requirements similarly; a sports complex and a big mosque are being built. Two hostels for girl student have been functional for more than one year. More hostels have been built both for boys and girls.

On behalf of the University of Lahore I welcome all future students to visit and become the part of the fastest growing private sector multidiscipline chartered university of Pakistan. With best wishes for your bright future.



Dr. Zulfiqar Ali Bhatti
President, Sargodha Campus

Keeping in view the need of market oriented programs in Sargodha and its surroundings, the management of the University of Lahore decided to establish its campus at Sargodha with state of the art infrastructure and facilities, which will not only fulfill the need of local community but also the people of adjacent Districts i.e. Khushab, Bhakkar, Mianwali, Chiniot, Jhang, Mandi Bahaudin, and Hafizabad.

The University of Lahore is a premier private sector chartered University in Lahore having its campuses at Islamabad and Sargodha, imparting quality education in diverse and market oriented disciplines. The University has been ranked amongst the top 550-600 universities of the world. This ranking has been published in QS & Times Higher Education Supplement. The Higher Education Commission has also elevated The University of Lahore in its highest category of W4.

The establishment of campus at Sargodha of such a prestigious and esteemed institution is a matter of pride for the residents of Sargodha.

From this academic year Sargodha Campus will start its classes in the disciplines of Management Sciences, Computer Sciences & I.T, and Commerce. It is appreciated that administration of University of Lahore has made special arrangement for highly qualified and experienced teaching faculty for Sargodha campus. The community of Sargodha will definitely get quality education on affordable expenses

I wish bright and meaningful future to the prospective students of this campus. We will inshallah maintain high standard of education like Lahore and Islamabad campuses. In the coming year Medical and Engineering programs will also be launched in the purpose built campus at Sargodha.

PROSPECTUS CONTENTS

THE UNIVERSITY OF LAHORE

Introduction
02

University Sports
04

University Campuses
06

University Life
08

Student Services
10

International Students
12

UoL Relief
14

02 - 15

ENGINEERING

Electrical Engg
18 - 25

Mechanical Engg
26 - 31

Civil Engg
32 - 41

Technology
42 - 53

Electronics
54 - 61

16 - 61

INFORMATION TECHNOLOGY

Computer Science & IT
64 - 75

62 - 75

SCIENCES

Institute of Molecular
Biology and
Biotechnology
78 - 107

Centre for Research in
Molecular Medicine
108 - 113

76 - 113

PHARMACY

114 - 125

ALLIED HEALTH SCIENCES

Lahore School of Nursing
128 - 133

Radiological Sciences
& Medical Imaging
Technology
134 - 163

Public Health
164 - 169

Medical Lab Technology
170 - 173

Diet & Nutritional Sciences
174 - 177

Physiotherapy
178 - 183

126 - 183

LAHORE BUSINESS SCHOOL

184 - 205

SCHOOL OF CREATIVE ARTS

206 - 219

LANGUAGES AND LITERATURE

English Language &
Literature
190 - 195

220 - 229

SOCIAL SCIENCES

Mathematics &
Statistics
230 - 235

230 - 235

COLLEGE OF LAW

236 - 243

UNIVERSITY RULES & POLICIES

244 - 271

THE UNIVERSITY OF LAHORE

Founded in 1999 by Mr. M A Raoof, 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 more than 18000 across five ‘purpose built’ campuses at Lahore, Islamabad and Sargodha with nine diverse Faculties

The quality of teaching facility and research excellence has also granted international recognition placing the University amongst the first Pakistani University to be ranked in the prestigious QS Ranking, and in 2012 ranked among the top 6 Universities from Pakistan in QS Asia Ranking. The Higher Education Commission (HEC) has also elevated the University of Lahore to its highest “W4” category of Universities reserved for those institutions that fulfill all criteria of an International Quality University. The University of Lahore has special focus on Professional and Technical Education as it is an instrument of growth & development of any country’s economy, therefore, the programs of Medical & Dentistry, Public Health, Electrical Engineering, Civil Engineering, Mechanical Engineering, Pharm-D and Nursing which are equipped with state of the Art Laboratories and are accredited by Pakistan Medical & Dental Council (PMDC), Pakistan Engineering Council (PEC), Pharmacy Council of Pakistan and Pakistan Nursing Council respectively.

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 with Student Services Center (SSC) in operation; students can 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 under its Student Representative Office (SRO). 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 Universities extensive disaster relief Program: UOL Relief program where students voluntarily participate in providing aid and facilitation to disaster affected areas of Pakistan.

The University of Lahore enjoys excellent links and partnership in various areas of knowledge and resources sharing with some of the most prestigious Universities around the world in England, USA, Turkey, Iran, Northern Cyprus, Turkey, Thailand, Russia, Sudan, Iraq, etc.

Fact FILE

- Established under the auspices of Ibadat Educational Trust
- The University of Lahore established in 1999
- The University of Lahore chartered in 2002

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
- Pakistan Bar Council

The University of Lahore (Defence Rd Campus)		98 Acres, 1 Kanals
The University of Lahore (Raiwind Rd Campus)		4 Acres, 7 Kanal
The University of Lahore (City Campus)		1 Acre
The University of Lahore (Islamabad Campus)		2 campuses: a) 15 Acres, b) 5 Kanals
The University of Lahore (Sargodha Campus)		4 Acres

Student Body: 18,649
Faculty: 941
Staff & Support: 1387
11 Faculties
24 Departments
2 Research Centers
2 Technology Parks

* Data Correct as of May 2013

International RANKINGS

The Higher Education Commission of Pakistan also places the University of Lahore in its highest ‘W4’ Category.

Ranked amongst **Top SIX PAKISTANI Universities** in 2012 QS Asia Ranking

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 SPORTS & ATHLETICS

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

- The University of Lahore has achieved 2nd Ranking in all Pakistan men all round Trophy in all Pakistan intervarsity sports championships (2011-12)
- Host International Fistball Championships (November 2012) (8 Players out of 12 from UoL participated in Pakistan team)
- Host international touchball Championships (November 2012)

PUNJAB YOUTH FESTIVAL - 2012

Men:

- 1st position in Punjab Youth Festival men volleyball championships (October 2012)

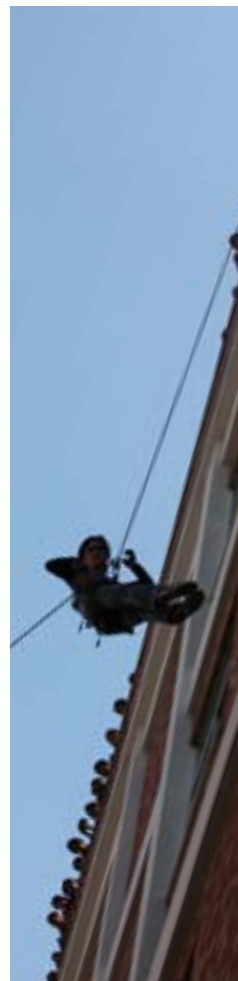
Women

- 1st position in Punjab Youth Festival women Volleyball championships (October 2012)
- 1st position in Punjab Youth Festival women Cricket championships (October 2012)
- 1st position in Punjab Youth Festival women Badminton championships (October 2012)
- 1st position in Punjab Youth Festival women Table Tennis championships (October 2012)
- 1st position in Punjab Youth Festival women Athletic championships (October 2012)

ALL PAKISTAN INTERVARSITY CHAMPIONSHIPS

Men

- 1st position in all Pakistan intervarsity men Rugby championships (2012-2013)
- 1st position in all Pakistan intervarsity men Mountaineering championships (2012-2013)
- 2nd position in all Pakistan intervarsity men Netball championships (2012-2013)
- 2nd position in all Pakistan intervarsity men Basketball championships (2012-2013)
- 2nd position in all Pakistan intervarsity men Handball championships (2012-2013)
- 2nd position in all Pakistan intervarsity men Rowing championships (2012-2013)
- 2nd position in all Pakistan intervarsity men Rifle Shooting championships (2012-2013)
- 2nd position in all Pakistan intervarsity men Wrestling championships (2012-2013)
- 2nd position in all Pakistan intervarsity men Jujitsu championships (2012-2013)
- 3rd position in all Pakistan intervarsity men BodyBuilding championships (2012-2013)
- 3rd position in all Pakistan intervarsity men Baseball championships (2012-2013)
- 3rd position in all Pakistan intervarsity men Judo championships (2012-2013)
- 3rd position in all Pakistan intervarsity men Cycling championships (2012-2013)
- 3rd position in all Pakistan intervarsity men Karate championships (2012-2013)



- 4th position in all Pakistan intervarsity men Football championships (2012-2013)
- 4th position in all Pakistan intervarsity men Taekwondo championships (2012-2013)
- 4th position in all Pakistan intervarsity men Badminton championships (2012-2013)

Women

- 1st position in all Pakistan intervarsity women Cricket championships (2012-2013)
- 1st position in all Pakistan intervarsity women Volleyball championships (2012-2013)
- 1st position in all Pakistan intervarsity women Handball championships (2012-2013)
- 1st position in all Pakistan intervarsity women Netball championships (2012-2013)
- 1st position in all Pakistan intervarsity women Rifle Shooting championships (2012-2013)
- 1st position in all Pakistan intervarsity women Badminton championships (2012-2013)
- 1st position in all Pakistan intervarsity women Baseball championships (2012-2013)
- 1st position in all Pakistan intervarsity women Cycling championships (2012-2013)
- 2nd position in all Pakistan intervarsity women Athletic championships (2012-2013)
- 2nd position in all Pakistan intervarsity women Football championships (2012-2013)
- 2nd position in all Pakistan intervarsity women Table Tennis championships (2012-2013)
- 2nd position in all Pakistan intervarsity women Ski championships (2012-2013)
- 3rd position in all Pakistan intervarsity women Jujitsu championships (2012-2013)



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, Computer Science & IT, Lahore Business School, Institute of Molecular Biology and Biotechnology, Bio-chemistry, Environmental Science, Faculty of Allied Health Sciences, Nursing School, Law Department 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 4 Acres & 7 Kannals and houses the Engineering, Technology, University College of Dentistry, Mathematics Department 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,
TWO Campuses in
Islamabad & ONE
Campus in Sargodha**



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 curricula 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 15 acres 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 education.



Student Activities

We strive hard to groom future leadership in a manner that apart from education, 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, 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.

SARGODHA CAMPUS

Since its establishment in 1999 as a degree awarding institute "The University of Lahore" (UOL) has always been at the forefront of innovation. In a short time span it has played a proactive role in shaping and accelerating the modern day Higher Education scene in Pakistan. The Sargodha Campus has spread in its educational fields and now provides wide variety of curricula including Management Sciences, Computer Sciences, and English Language and Literature.

The Sargodha Campus at Sargodha Road is spread over 4 acres of area. The facilities like Library, Cafeteria, mosque, Playgrounds, Faculty Offices, and air conditioned classrooms all have been centered in Sargodha Campus. The University Management ensures the availability of these facilities to students and Faculty & Staff.

The University LIFE & ACTIVITIES

STUDENT REPRESENTATIVE OFFICE (SRO)

Student Representative Office (SRO) is incubated at QEC to streamline the activities for clubs and societies. SRO works with all the Departments to establish Class Representative System and accepts registration for different Clubs and Societies. Clubs/Societies consist of a convener; who leads the entity, a secretary; who assists convener for the execution of general duties, a treasurer; who makes realistic annual budget and general members.

SRO establishes clear rules and regulations for all the entities and the participants under it to keep order and a proper system. All student extra-curricular activities at the University of Lahore are arranged by Student Representative Office. Currently registered clubs/societies are Dramatic Club, Debating Society, Environmental Society, Photography Club, Adventure Club, Health Society, Arts & Culture Society, Computer Gaming Society and many more. Different forms are available at Student Representative Office to initiate student activities throughout the university like Expression of Interest, Event proposal form, Facilities requirement form, Event planning guideline and many more.

Key Academic ACHIEVEMENTS

The University has achieved significant position in the field of academics. In a short time span it has played a proactive role in shaping and accelerating the modern day Higher Education scene in Pakistan. We pride ourselves on the extensive scholarship program which ensures that deserving students are able to receive the same quality education as more privileged peers. The University also motivates its faculty to conduct original and extensive research and publish research papers. With over one hundred and thirty six full time PhD's and numerous foreign qualified faculty members, the University deserves its position as one of the top Universities of the World. In 2012, University of Lahore was ranked among the top 6 Universities from Pakistan in QS Asia Ranking. The University has also achieved the Highest Ranking (W4) by the Higher Education Commission (HEC) of Pakistan.

Co Curricular ACTIVITIES

Many events and seminars are arranged across the University under the banner of SRO:

- Breast Cancer Awareness Seminar
- Establishing Guinness Book of World Records - Arm Wrestling
- Gade Environmental Seminar
- Trekking trips to Northern Areas of Pakistan
- Seminars on Paragliding and Mountaineering
- Blood Camps
- Engineering & IT competition (Project of Punjab Youth Festival)
- Dramatics
- Declamation and debating contests
- Cultural Festivals – Lok Mela
- Women's Day Events
- Sports Tournaments
- Emergency Medical Services Training
- Aero Modeling Competitions

Students SERVICES CENTRE

Student Services Center (SSC) is envisaged to offer one-step, efficient, & excellent services to its students & develop them academically & physically in an inclusive environment. SSC is operating under principles of a sense of service, courtesy, fairness, integrity, empathy, efficiency, teamwork and learning. Goals of SSC include recruiting & retaining best student, provide excellent admin services, enable students to develop life skills, & promote continuous improvement to achieve excellence in student services. SSC fosters the personal, emotional & academic well-being of students through counseling and career services. Health & disabilities services provide first aid services to all departments, train staff for basic self aid, provide full time medical staff, arranges health care awareness programs & establish blood bank for blood donations. SSC guides students regarding their clearance procedure, applying for Degree, Interim Transcript, Transcript, Detail Marks Certificate (DMC), Duplicate Result Cards, Verification of Documents, Issuance of No Objection Certificate (NOC) and Bonafide, Duration Certificate, and many other routine issues.



STUDENT SERVICES

From lush gardens and quiet 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 has its own large fleet of buses, mini buses and vans that provides pick and drop facility to its various campuses and around the city. The University also provides shuttle bus services to its students and faculties from one campus to another. A detailed transport plan along with specified routes can be obtained from the Transport Office.

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.

MAINTENANCE

IT department is responsible for timely based maintenance and update of hardware and software which helps user to use fresh technology and make his work easy.

LIBRARY FACILITIES

The University's library resources include books, journals and e-books. 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 72 Mbps Pakistan Educational Research Network (PERN) facilities, E- Library, OPAC, mini labs, HEC digital library as well as International online Libraries and Journals. We have subscription of World Class Turnitin services for Plagiarism check.

HOSTELS/ACCOMMODATION

Separate hostel accommodation is available for both male and female students at the University. Defence Road Campus of the University features in facility of two hostels for females: Razia Hall and Fatima Hall, for about 750 students in it. A separate boys' hostel is also being completed. But avoiding students from any residential inconvenience, UoL has rented two hostels for boys near the campuses. A total of 70 students (boys) are accommodated in these hostels.

Facilities provided at both hostels are; Mess, Mosque, Separate TV Room, Telephone, Guest Rooms, Newspapers, Common Room, Computer Room, Electric Water Coolers, High Speed internet & Wifi, Hostel Laundry & 24 hours security. Wardens are responsible for ensuring the availabilities of all facilities & management in hostels. Additional housing & accommodation is available in the vicinity of the campuses & is managed by 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.

IT HELPDESK

IT office has maintained a portal named "IT support" to facilitate the faculty and staff across the university. All staff and faculty members generate queries through IT support. Software's are remotely installed in computers. IT also provides wifi facility to laptops of students & faculty. Major IT help desk tasks are; Software issues, PC Maintenance & Repair, UOL Email Accounts, Computer & Data Security

CATERING & CAFETERIA

The University houses dedicated student center, four floors of self-service cafeteria serving delicious continental cuisine, snacks through kiosks at Defense Road Campus. Event management, guesthouse dining and hostel dining are also provided by Food and Lodging department. 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, Sargodha Campus and Lahore City Campus also have dedicated University managed cafeteria facilities.

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. Total Scholarships and Financial Assistance provided to students in the academic year 2012 was at Rs.53,287,000/-

NOTE: Further information can be obtained from the finance office



INTERNATIONAL STUDENTS

University of Lahore enjoys excellent collaboration & partnerships in various areas of knowledge, educational research & 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, Turkey
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
Mahasarakham University, Thailand.
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
Girne American University-Northern Cyprus
Tambov State Technical University, Russia



INTERNATIONAL STUDENTS

The University of Lahore has always believed in organizing healthy cultural activities for local as well as International Students. The University of Lahore welcomes International Students from different countries and has in recent years attracted students from Palestine, Sudan, Yemen, Turkey, Syria, Somalia, Afghanistan, Nepal, Oman, Kingdom of Saudi Arabia, South Korea, Jordan, UAE and Uganda amongst others. Foreign seats are available in Degree Programs such as Medicine, Dentistry, Engineering, English language and Literature.

INTERNATIONAL OFFICE AT UOL

The University of Lahore operates a dedicated international office to facilitate our international students.

VISION To increase the international student's body and make the University of Lahore one of the leading private sector universities in Pakistan focused on accommodation, learning, skills, innovation and collaboration of the diverse international students.

MISSION The International office is designed and dedicated to look after the international relations and accreditation of the University worldwide.

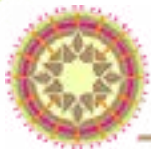
We look forward to provide maximum help to our international students including but not limited to receiving them from the airport, their accommodation, visa & residential permit process and follow up till they graduate. We endeavor to form very good memories of the University of Lahore during their stay in Pakistan.

INTERNATIONAL CULTURAL DAY

Every year, The University of Lahore organized International Student's Cultural Day for the students of different nationalities. Youngsters belonging to various countries and nationalities represent their culture and traditions at this event.

Students introduce their countries & traditions along with cultural performances in the event. Stalls at the event are also of great attraction to the guests and people. In April 2013, we saw successful event in shape of 3rd International Students Cultural Day.





UOL ریلیف

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. 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 staff and hundreds students volunteers assist UOL Relief by volunteering their time, presence and logistics for the aid work. 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 community in times of disaster.

1. 2005 EARTHQUAKE

- Rescue, tents, food, first aid to the affected families.
- Construction of houses, follow-up medical camps

ON GOING WORK

- Regular food program for the widows
- Education support program for the orphans

2. 2009 IDP CRISES

- Food packages, clothes and tents for the displaced families.

3. 2010 FLOOD

- Rescue, food packages, tents for the affected families
- Construction of houses in Rajanpur Charsada Skardu, Gas Bala, Tatto, Fari Meadows (Gilgit Baltistan Area)
- Construction of Water Channel for irrigation and for house hold use
- School & basic health unit in Tatto

4. SHELTER HOME 2012

The UOL Relief is dedicated and committed to salvage the plight of physically disabled orphans, abandoned and street children with the view of rescuing and caring for these afflicted, hopeless and disadvantaged children in the society. The main aim of the orphanage is to create a comfortable, conducive environment and dependable alternative family life and peaceful home for these socially and physically disadvantaged children in the society.



Faculty of
**ENGINEERING &
TECHNOLOGY**

**ELECTRICAL
ENGINEERING**

**CIVIL
ENGINEERING**

**MECHANICAL
ENGINEERING**

TECHNOLOGY

**ELECTRONICS
& ELECTRICAL
SYSTEMS**



Department of **ELECTRICAL ENGINEERING**

Faculty of Engineering & Technology

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 laboratories equipped with the

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.



Degrees **OFFERED**

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

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



OUR FACULTY

Lt. Col. (R) Salamat Ullah
HOD
MSEE UET LAHORE

Nasir Mehmood
Associate Professor
MSCE United States

Dr Sarwar Ehsan
Associate Professor
PhD AUSTRIA

Hafiz Tehzeeb UL Hassan
Associate Professor
MSEE UET LAHORE

Dr Musharaf Ahmad Hanif
Assistant Professor
PhD UK

Dr. Ghulam Abbas
Assistant Professor
PhD FRANCE

Irshad Ahmed Goraya
Assistant Professor
MSEE UET LAHORE

Muhammad Zulfiqar
Assistant Professor
MSEE UET LAHORE

Ather Hanif
Assistant Professor
MSEE UET LAHORE

Naveed Ashraf
Assistant Professor
MSEE UET LAHORE

Naeem Ud Din Zia
Assistant Professor
MSEE UET LAHORE

Zahid Shakoor
Assistant Professor
MSEE CANADA

Bilal Saqib
Assistant Professor
MSEE UK

Rashid Javed
Assistant Professor
MSEE UET LAHORE

Usman Shahid
Assistant Professor
MSEE UOL LAHORE

Daud Mustafa
Assistant Professor
MSEE UOL LAHORE

Irfan Naseem
Assistant Professor
MSEE UOL LAHORE

Adeel Afzal
Assistant Professor
MSEE UOL LAHORE

Muhammad Rashad
Assistant Professor
MSEE UOL LAHORE

Awais Yousaf
Assistant Professor
MSEE UET LAHORE

Nasir Mahmood
Assistant Professor
MSEE UOL LAHORE

Hassan Bin Ahmad
Assistant Professor
MSEC UOL LAHORE

Anwar Ul Haq
Assistant professor
M.phil physics PU LAHORE

Salman Rashid
Assistant professor
MSCS UET TEXILA

Saba Zia
Assistant professor
MSEE NUST

Irfan Ahmad Khan
Assistant Professor
MSEE UK

Abdul Rehman Yasin
Assistant Professor
MSEE UET LAHORE

S.M Raza
Assistant Professor
MSCS UK

Ijlal Haider
Assistant Professor
MSEE NUST

Zahid Irfan
Assistant Professor
MSCE GIKI

Abdullah Shafique
Assistant Professor
MSEE NUST

Ms Sobia Bashir
Assistant Professor
MSCS UOL LAHORE

Ms Sadia Rashid
Assistant Professor
MSCS UOL LAHORE

Salman Azhar Sheikh
Lecturer
BSEE UOL LAHORE

Bilal Ashfaq
Lecturer
BSCE UET LAHORE

Shahzad Ahmed
Lecturer
BSEE UOL LAHORE

Hamza Hamayon
Lecturer
BSEE UET LAHORE

Usman Assad
Lecturer
BSEE PU LAHORE

Ms Onaiza Yousaf
Lecturer
BSEE UET LAHORE

Ms Rabia Arshad
Lecturer
BSCE UET LAHORE

Ms Rida Zainab
Lecturer
BSEE UET LAHORE

Salahudin
Lecturer
BSEE UOL LAHORE

Waqas Khalid
Lecturer
BSEE UET LAHORE

M.Imtiaz
Lecturer
BSEE UET LAHORE

Ms Anum Javed
Lecturer
BSEE UET LAHORE

M.Salman Fakhar
Lecturer
BSEE UET LAHORE

Sibgatullah Noman
Lecturer
BSEE UET LAHORE

Umar Arshad
Lecturer
BSEE UET LAHORE

M.Kashif Mehmood
Lecturer
BSEE UOL LAHORE

Arbab Mehmood
Lecturer
BSEE UOL LAHORE

Ms Sadaf Gull
Lecturer
MSCS GCU LAHORE

Adeel Saleem
Lecturer
BSEE UOL LAHORE

Faizan Rashid
Lecturer
BSEE UOL LAHORE

Ms. Tanzeela Siddiqi
Lecturer
MBA COMSATS LHR

Usman Babar
Lab Engg
BSEE UOL LAHORE

Aqib Gafoor
Lab Engg
BSEE UOL LAHORE

Tayyaba bukhari
Lab Engg
BSEE COMSATS LHR

Waqas Sharif
Lab Engg
BSEE FUUST

Abdul Rafay
Lab Engg
BSEE UOL

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.

Program FACTS

Program Length

Full-time, 4 Years, Credit Hrs 138

Entry Requirements

F.sc (Math, Physics and chemistry), OR
Equalent DAE Telecom, DAE Electronics, 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	3	Computer Programming	3	Complex Variables And Transforms	3	Digital Design Lab	2
Communication Skills	3	Applied Physics	3	Computer Aided Drawing	1	Data Structures	3
Introduction To Computing	3	Linear Algebra	3	Electrical Engineering Workshop	1	Signals And Systems	4
Islamic & Pakistan Studies	3	Differential Equations	3	Logic Design & Switching Theory	4	Solid State Geometry & Multivariate Calculus	3
Mechanical Engineering Workshop	1	Circuits Analysis -II	3	Social Science	3	Electronic Devices & Circuits	4
				Network Analysis	4		

COURSES

TECHNICAL ELECTIVES

POWER ENGINEERING

- Power Distribution And Utilization (Breadth Core I)
- Instrumentation And Measurements (Breadth Core II)
- Advanced Electrical Machines
- Power System Analysis
- Power Generation
- Electrical Power Transmission
- Power System Protection
- Power System Stability & Control
- Advanced Electrical Machine Design
- High Voltage Engineering
- Renewable Energy Systems
- Digital Signal Processing
- Digital Control Systems
- Analog And Digital Communication Systems
- Integrated Electronic Circuits
- PLC And Industrial Drives

COMMUNICATION ENGINEERING

- Computer Communication Networks (Breadth Core I)
- Electronic Circuit Design (Breadth Core II)
- Digital Communications
- Wave Propagation And Antennas
- Digital Signal Processing
- Information Theory And Coding
- Instrumentation And Measurements
- Transmission And Switching Systems
- Wireless And Mobile Communications
- Satellite Engineering
- Optical Communication
- Rf And Microwave Engineering
- Navigation And Radar Systems
- Digital Image Processing
- Antenna Theory And Design
- Mobile And Pervasive Computing
- Power Distribution And Utilization

MICROWAVE ENGINEERING

- Microwave Engineering - I
- Microwave Engineering - II
- Introduction To Rf Circuit Design
- Electromagnetic Compatibility
- Antenna Theory And Design
- Rf And Microwave Engineering
- Navigation And Radar Systems
- Wave Propagation And Antennas
- Satellite Communication

ELECTRONIC ENGINEERING

- Instrumentation And Measurements (Breadth Core I)
- Electronic Circuit Design (Breadth Core II)
- Opto-Electronics
- VLSI Design
- Digital Signal Processing
- Antenna Theory And Design
- Digital Communications
- Electromagnetic Compatibility

***NOTE:** Only One Subject Will Be Taken As Per Stream Selected By The Student.

Road MAP

Semester 5	Cr Hr	Semester 6	Cr Hr	Semester 7	Cr Hr	Semester 8	Cr Hr
Electromagnetic Field Theory	3	Communication Systems	4	Control Systems	3	Breadth Core II	4
Microprocessor Based Embedded Systems	4	Numerical Analysis	3	Power Electronics	4	Ece Design Project	6
Engineering Economics And Management	3	Entrepreneurship	3	Breadth Core I	4	Technical Elective	3
Probability And stochastic Processes	3	Technical Elective	3	Technical Report Writing	3	Technical Elective	3
		* Instrumentation And Measurement / Electronic Circuit & Design / Computer Communication Network	3	Technical Elective	3		
				Technical Elective	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 power engineering, electronics 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.

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

Program FACTS

Program Length

Full-time, 2 Years, Credits Hrs: 30

Entry Requirements

BS (Electrical Engg, Electronics Engg, Telecom Engg, Computer Engg, Communication Engg) from PEC recognized University with min 2.0 CGPA (Semester Sys) or 60% (Annual Sys). Interview & Entry test & GAT validity two years arranged by NTS

Location

Raiwind Road Campus

Recognised BY

Higher Education Commission

COURSES

STREAM 1: POWER ENGINEERING

CORE COURSE

- Mathematical Methods for Engineers
- Power System Quality, Reliability and Planning
- Advance Power System Protection
- Power Circuit Breaker and Substation
- Advance High voltage Engineering

ELECTIVES

- Transient in Power
- Insulation Coordination of power system
- Power system stability & load flow analysis
- Power system operation and control
- Power system planning
- Power distribution, Automation & control

STREAM2: ELECTRONICS AND COMMUNICATION ENGINEERING

CORE COURSE

- Mathematical methods for Engineers
- Stochastic process
- Advance computer network
- Digital Communication system
- Advance digital signal processing

ELECTIVES

- Information theory and coding
- Introduction to cryptology
- Mobile and wireless communication
- Advance Communication network
- Performance evaluation of communication network

- Real time embedded system
- Switched mode power supply
- Digital speech processing

Note:

list of electives is not exhaustive. More subjects can be added keeping in view the market requirement.



LEARN
PROFESSIONAL
TECHNIQUES

Department of **MECHANICAL ENGINEERING**

Faculty of Engineering & Technology

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

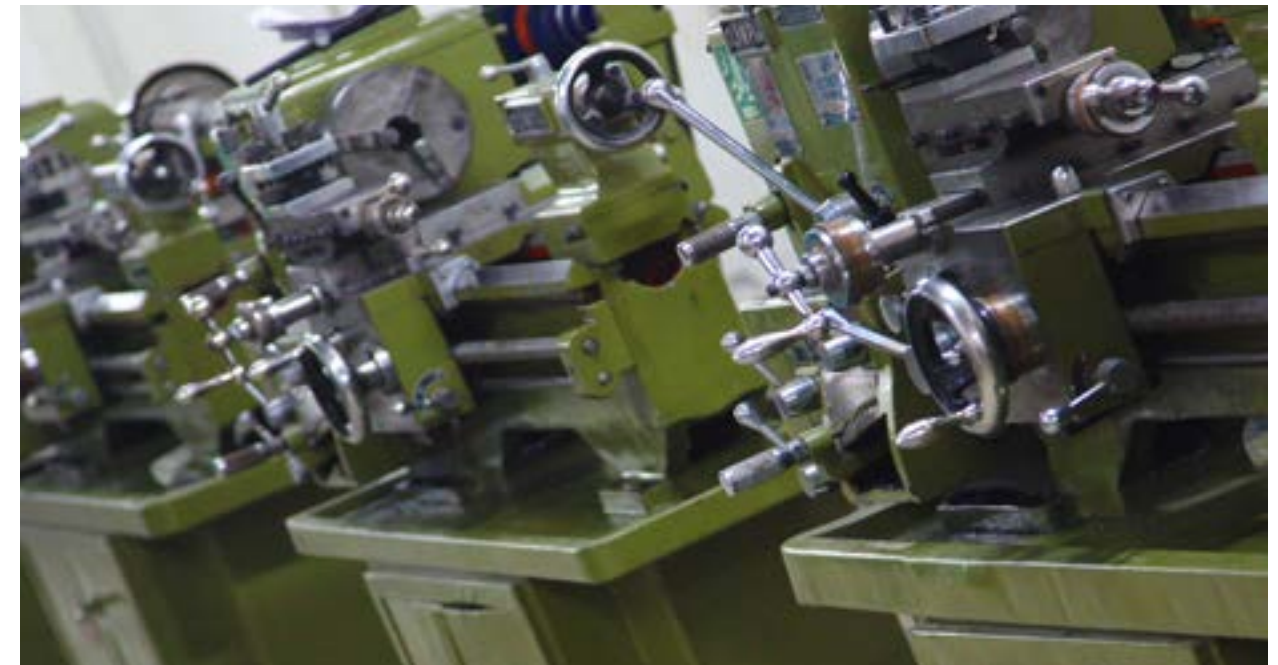
application in engineering for lifelong learning and a successful career in solving the engineering problems of the real world for successful career and life long learning.

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.

Degrees OFFERED

Bachelor of Science in
Mechanical Engineering
(BSME)



OUR FACULTY

Prof. Dr. Iqbal Hussain

HOD

Ph.D , Syracuse University, USA,
1977, M.Sc , Syracuse University,
USA, 1975, B.Sc, UET, Lahore, 1966

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. Imran Afzal Mughal,

Assistant Professor

M.Sc, Coventry University, UK,
2003
B.Sc, GIKI, Swabi, 1997

Mr. Adeel Nizami,

Assistant Professor

M.Sc, KIAS, Korea, 2011
B.Sc, UET, Lahore, 2003

Mr. Muhammad Zeeshan Rafique

Assistant Professor

M.Sc, Greenwich University of
London, UK, 2011
B.Sc, UET, Taxila, 2007

Mr. Muhammad Farooq Zaman

Lecturer

M.Sc, Chongqing, China, 2012
B.Sc, Nust, Islamabad, 2009

Miss Romeeza Majeed

Lecturer

M.Sc, NUST, Islamabad, 2012
B.Sc, NUST, Islamabad, 2009

Mr. Abdullah Azam

Lecturer

M.Sc, PIEAS, Islamabad, 2012
B.Sc, UET, Lahore, 2010

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. 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

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. Salman Abubakar Bugvi

Lecturer

M.Sc, UET, Lahore, (In Progress)
B.Sc, UET, Lahore, 2000

Mr. Muhammad Adeel Butt

Lecturer

M.Sc, UET, Lahore, (In Progress)
B.Sc, UET, Lahore, 2008

Mr. Mansoor Ali Zaheer

Lecturer

M.Sc, UET, Lahore, (In Progress)
B.Sc, BZU, Lahore, 2011

Mr. Aqeel Abbas

Lecturer

M.Sc, UET, Lahore, (In Progress)
B.Sc, UET, Lahore, 2010

Syed Wasim Hassan Zubair

Lecturer

M.Sc, UET, Lahore, (In Progress)
B.Sc, UET, Lahore, 2011

Miss Faiza Imtiaz

Lecturer

M.Sc, UET, Lahore, 2007
B.Sc, Punjab University, 2004

Miss Samra Ihsan

Lecturer

M.Sc, UET, Lahore, 2009
B.Sc, Punjab University, 2006

Miss Namra Sheikh

Lecturer

B.Sc, UET, Lahore, 2009

Mr. Nazir Ahmad

Lab. Engineer

B.Sc, UET, Lahore, 1980

Miss Wardha Ahmad

Lab. Engineer

B.Sc, UET, Lahore, 2007

Mr. Adeel Akram

Lab. Engineer

M.Sc, UET, Lahore, (In Progress)
B.Sc, UET, Lahore, 2011

Mr. Umar Ishaq

Lab. Engineer

M.Sc, UET, Lahore, (In Progress)
B.Sc, UOL, Lahore, 2012

Mr. Mazhar Ali

Lab. Engineer

B.Sc, UOL, Lahore, 2012

Mr. Asif Jalal

Lab. Engineer

M.Sc, UET, Lahore, (In Progress)
B.Sc, UOL, Lahore, 2012

Mr. Ali Raza

Lab. Engineer

B.Sc, UOL, Lahore, 2012

Hafiz Muhammad Haroon

Lab. Engineer

M.Sc, UET, Lahore, In Progress
B.Sc, UET, Lahore, 2012

Khawja 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 emphasizes in 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.

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

Program 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

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	Pakistan Studies	2	Electronics Engineering	3
Computer System & Programming	3	Islamic Studies/Ethics	2	Engineering Mechanics II: Dynamics	4	Applied Mathematics-III	3
Engineering Drawing & Graphics	4	Engineering Materials	3	Mechanics of Materials-I	3	(Social Sciences - Electives)*	2
Applied Physics	3	Thermodynamics – I	3	Electrical Engineering	3	Machine Design & CAD-I	3
Functional English	3	Engineering Mechanics – I: Statics	3	Thermodynamics-II	4	Mechanics of Materials-II	4
Applied Chemistry	3	Workshop Practice	2	Fluid Mechanics-I	4	Fluid Mechanics–II	4
		Communication Skills	2				

COURSES

CORE COURSES

- Applied Mathematics I
- Applied Physics
- Applied Chemistry
- Functional English
- Computer Systems & Programming
- Engineering Drawing & Graphics
- Islamic Studies/Ethics
- Engineering Materials
- Applied Mathematics –II
- Communication Skills
- Workshop Practice
- Engineering Mechanics – I: Statics
- Thermodynamics-I
- Pakistan Studies
- Engineering Mechanics II: Dynamics
- Mechanics of Materials-I
- Electrical Engineering
- Thermodynamics-II
- Fluid Mechanics-I
- Electronics Engineering
- Applied Mathematics-III
- Machine Design & CAD-I
- Mechanics of Materials-II
- Fluid Mechanics–II
- Technical Writing & Presentation Skills
- Numerical Analysis
- Machine Design & CAD-II
- Precision Engineering & Metrology

- Heat & Mass Transfer
- Engineering Statistics
- Manufacturing Processes-I
- Control Engineering
- Mechanics of Machines
- Refrigeration & Air Conditioning
- Engineering Economics
- Mechanical Vibrations
- Manufacturing Processes-II
- Internal Combustion Engines
- Project

ELECTIVE COURSES

- Industrial Management
- Project Management
- Operations Research
- Total Quality Management
- Operations Management
- Business & Entrepreneurship
- Safety, Health and Environment Management
- Power Plant Engineering
- Renewable Energy Resources
- Mechatronics
- Tribology
- Maintenance Engineering
- Finite Element Analysis
- Computational Fluid Dynamics
- Fluid Power: Hydraulics & Pneumatics
- Gas Dynamics
- Aerodynamics

Semester 5	Cr Hr	Semester 6	Cr Hr	Semester 7	Cr Hr	Semester 8	Cr Hr
Technical Writing & Presentation Skills	3	Engineering Statistics	3	Engineering Economics	3	Internal Combustion Engines	3
Numerical Analysis	3	Manufacturing Processes-I	4	Mechanical Vibrations	4	Technical Elective-II	3
Precision Engineering & Metrology	3	Control Engineering	3	Manufacturing Processes-II	4	Technical Elective - III	3
Machine Design & CAD-II	4	Mechanics of Machines	4	Technical Elective-1	3	Management Elective	3
Heat & Mass Transfer	4	Refrigeration & Air Conditioning	4	Project	3	Project	3

Department of **CIVIL ENGINEERING**

Faculty of Engineering & Technology

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.

Degrees **OFFERED**

Bachelor of Science in Civil Engineering (**BSCE**)

Master of Science in Civil Engineering (**MSCE**)



PROFESSIONAL
TECHNIQUES

OUR FACULTY

Dr. Muhammad Zulfiqar Ali Khan

Professor/HOD

Ph.D (Environmental Engineering) (USA)

Dr. Mahboob Ali Chaudhry

Professor/DEAN

Ph.D (Structures) (Russia)

Dr. Muhammad Hanif

Professor

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

Dr. M. Afzal Javed

Professor

Ph.D (Structural Engineering, (UK)

Dr. Muhammad Aslam

Professor

Ph.D (Irrigation Engineering) (USA)

Dr. Amir Farooq

Associate Professor

Ph.D (Environment Management) Pakistan

Engr. Ch Karamat Ali

Assistant Professor

M.Sc (Hydraulic Engineering) UK

Engr. A.M. Zafar

Assistant Professor

M.Sc (Civil Engineering) Pakistan

Engr. Muhammad Ali Khan

Assistant Professor

M.Sc (Computational Engineering) (Germany)

Engr. Shakeel Hassan

Assistant Professor

M.Sc (Water Resources) Sweden

Engr. Rehan Masood

Assistant Professor

M.Sc (Construction Engineering and Management) Pakistan

Engr. Akhtar Abbas

Assistant Professor

M.Sc (Infrastructures Engineering) Sweden

Engr. Muhammad Ahmad Adnan

Assistant Professor

M.Sc (Civil Engineering) USA

Engr. Mirza Imran Ahmad Khan

Assistant Professor

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

Engr. Abdul Waheed

Assistant Professor

M.Sc (Environmental Engineering), Pakistan

Engr. Muhammad Umar Farooq

Lecturer

M.Sc (Continue) (Structural

Engineering, UET, Lahore. Pakistan

Engr. Ussama Waseem

Lecturer

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

Engr. Zeeshan Ullah

Lecturer

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

Engr. Rana Muhammad Sajid Imran

Lecturer

M.Sc (Infrastructure Engineering) Sweden

Engr. Tariq Ali

Lecturer

M.Sc (Structural Engineering, UET, Peshawar. Pakistan

Engr. Muhammad Waheed Khan

Lecturer

M.Sc (Continue) (Water Resources Engineering) Pakistan

Engr. Omer Altaf

Lecturer

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

Engr. Hafiz M. Talha urf Zeeshan Afzal

Lecturer

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

Engr. Azhar Shahzad

Lecturer

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

Engr. Suleman Shahid

Lecturer

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

Engr. Mahmood Hussain

Lecturer

M.Sc (Transportation Engineering), Pakistan

Engr. Tabish Islam

Lecturer

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

Engr. Asad Sultan

Lecturer

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

Engr. Arslan Qayyum Khan

Lecturer

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

Engr. Muhammad Ammar

Lecturer

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

Engr. Ghulam Hussain

Lecturer

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

Engr. Muhammad Ibrahim

Lecturer

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

Engr. Attique-Ul-Rehman

Lecturer

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

Engr. Muhammad Aboubakar Farooq

Lecturer

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

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

Engr. Abid Ali

Lecturer

M.Sc (Continue) (Hydro Power Engineering), UET, Lahore. Pakistan

Engr. Nouman Iqbal

Lecturer

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

Engr. Haris Hameed

Lecturer

M.Sc (Continue) (Structural Engineering), NUST Islamabad Pakistan

Engr. Babar Mujtaba

Lecturer

M.Sc (Irrigation & Hydraulics Engineering), UET, Lahore. Pakistan

Engr. Sarah Asif

Lecturer

M.Sc (Environmental Engineering of Urban Land & Water), UK

Engr. Fizza Zahid

Lecturer

M.Sc (Environmental Engineering), UET, Lahore. Pakistan

Engr. Sara Qamar

Lecturer

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

Engr. Rabia Yaseen Bhatti

Lecturer

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

Engr. Maimunah Shabbir

Lecturer

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

Engr. Qandeel Zahra

Lecturer

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

OUR FACULTY

Engr.Mahfooz Hayat

Lab Engineer

B.Sc (Civil Engineering), UET,
Lahore. Pakistan

Engr.Beenish Arshad

Lab Engineer

B.Sc (Civil Engineering), BZU,
Multan, Pakistan beenish.

Engr.Sadia Kalsoom

Lab Engineer

B.Sc (Structural Engineering), BZU,
Multan. Pakistan

Mr.Muhammad Nadeem

Akhtar

Lecturer

M.Phil (Computer Sciences)
Continue... Pakistan

Ms. Wajeeha Farooqi

Lecturer

M.Sc (Computer Sciences),
Pakistan

VISITING FACULTY

Mr.Muhammad Arshad

Lecturer

M.Sc (Geographic Information
System), 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.

Program 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

COURSES

PRE-REQ COURSES

- Transportation planning and Management
- Soil Mechanics
- Plain & Reinforced Concrete-I
- Advanced Fluid Mechanics
- Hydrology & Water Management
- Environmental Engineering-I
- Hydrology & Water Management
- Advanced Fluid Mechanics
- Plain & Reinforced Concrete-I
- Structural Analysis-I
- Steel Structures
- Social Sceineces-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 and Foundation Engineering
- Plain & Reinforced Concrete-II
- Hydraulic Engineering
- Irrigation and Drainage Engineering
- Environmental Engineering – II
- Irrigation and Hydraulics Engineering
- Design of Structure
- Social Sciences-II

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	Communication Skills & Technical Writing	2
Islamic & Pak Studies	3	Differential Equation (Math-II)	3	Fluid Mechanics	4	Numerical Analysis (Math-III)	3

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
Transportation Planning & Management	4	Mechanics of Solids-II	3	Structural Engineering	3	Technical Elective-IV	3
Hydrology and Water Management	4	Advanced Fluid Mechanics	4	Technical Elective-I	3	Technical Elective-V	3
Environmental Engineering-I	4	Structural Analysis-II	3	Technical Elective-II	3	Disaster Management	2
Steel Structures	3	Construction Management	3	Geo Informatics	2	Project	3
		Social Sciences-I	2	Project	3		

Master of Science in CIVIL ENGINEERING (MSCE)

INTRODUCTION

Master of Science in Civil Engineering is designed to produce graduates with enhanced knowledge in the fields of:

- **Structural Engineering**
- **Geotechnical Engineering**
- **Hydraulics and Irrigation Engineering**
- **Environmental Engineering**

The degree program focuses on providing skills required in different fields of Civil Engineering. The students will study eight subjects consisting of four from each core and elective courses in addition to a six credit hours research thesis mentioned in the curriculum approved by the academic council.

The programme shall have a minimum of three year supervised study period that may be extended to a maximum of seven years towards successful completion of all requirements and award of

the Master's Degree. Under the programme, student is required to undertake minimum of a 24 credit hours of courses work and 6 credit hours of research depending upon the area of specialization thus making a total of minimum 30 credit hours while maximum of 6 credit hours shall be allowed per semester. The duration of the semester would be 16 to 18 weeks.

Career PROSPECTS

The students of the graduate program will be well equipped with the knowledge of Civil Engineering and research jobs in Government and Public Sector, departments, industries, research centers and technical institutions. They will be capable enough to develop their own firms, research centers and will provide consultancy services to Government and Private sectors.

COURSES

STRUCTURAL ENGINEERING

CORE COURSE

- Structural Analysis
- Reinforced Concrete Structures
- Properties of Structural Materials
- Prestressed Concrete
- Steel Structures
- Seismic Design of Structures

ELECTIVES COURSES

- Bridge Engineering
- Design of Structures
- Theory of Plates and Shells
- Structural Mechanics
- Stability of Structures
- Structural Dynamics
- Seismology and Earthquake Engineering
- Seismic Design of Masonry Structures
- Structural Optimization
- Fracture Mechanics of Concrete

Program FACTS

Program Length

3 Years

Entry Requirements

- Minimum CGPA of 2.5 in semester system or 60% marks in Annual system in BSc Civil Engineering for all four disciplines. However for the Environmental Engineering programme, students with Bachelors degree in engineering from other disciplines such as environmental, chemical and other related may be considered on case-by-case basis
- Minimum Graduate Assessment Test (GAT) score 50%
- Passing written entry exam
- Successful interview

Location

Raiwind Road Campus

Recognised BY

Higher Education Commission

- Advanced Concrete Technology-I
- Advanced Concrete Technology-II
- Advanced Soil Mechanics
- Foundation Engineering-I
- Foundation Engineering-II
- Geotechnical Investigation
- Environmental Geo-techniques
- Numerical Methods in Engineering
- Hydraulic Structures
- Hydro Power Engineering
- Irrigation Engineering and Practice
- Application of RS & GIS in Civil Engg.

COURSES

GEOTECHNICAL ENGINEERING

CORE COURSES

- Advanced Soil Mechanics
- Foundation Engineering-I
- Foundation Engineering-II
- Dam Engineering
- Geotechnical Investigations
- Soil Improvement Techniques

ELECTIVE COURSES

- Earth Retaining Structures
- Rock Engineering
- Environmental Geo-Techniques
- Soil Dynamics
- Numerical Methods Engineering
- Geotechnical Engineering in Professional Practice
- Hydraulic Structures
- Advanced Fluvial Hydraulics
- Hydro Power Engineering
- Irrigation Engineering and Practice
- Applied Hydrology
- Sediment Transport
- Fluid Mechanics
- Application of RS & GIS in Civil Engineering
- Soil Erosion & Watershed Management
- Ground Water Engineering
- Ground Water Engineering
- Reinforced Concrete Structures
- Properties of Structural Materials
- Prestressed Concrete
- Steel Structures
- Seismic Design of Structures

HYDRAULIC & IRRIGATION ENGINEERING

CORE COURSES

- Hydraulic Structures
- Advanced Fluvial Hydraulics
- Hydro Power Engineering
- Irrigation Engineering and Practice
- Applied Hydrology
- Sediment Transport

ELECTIVE COURSES

- Fluid Mechanics
- Drainage Engineering
- Computer Aided Design of Hydraulic Structures
- River Engineering & Flood Management
- Application of RS & GIS in Civil Engineering
- Soil Erosion & Watershed Management
- Hydrological Modeling
- Water Resources Planning and Management
- Ground Water Engineering
- Reinforced Concrete Structures
- Property of Structural Materials
- Bridge Engineering
- Advanced Soil Mechanics
- Dam Engineering
- Geotechnical Investigations
- Soil Improvement Techniques
- Earth Retaining Structures
- Environmental Geo-Techniques
- Numerical Methods in Engineering

ENVIRONMENTAL ENGINEERING

CORE COURSES

- Environmental Management and Impact Assessment
- Physico-Chemical Process in Environmental Systems
- Wastewater Treatment and Design
- Experimental Methods in Environmental Engineering
- Industrial and Hazardous Waste Management
- Water Supply and Wastewater Collection Systems
- Environmental Chemistry and Microbiology
- Solid Waste Management

ELECTIVE COURSES

- Air and Noise Pollution Control
- Ecology and Risk Assessment
- Environmental Health and Safety
- Water Quality Modeling
- Marine Pollution and Control
- Modeling of Environmental Systems
- Agricultural Pollution and Control
- Environmental Pollution Control
- Hydraulic Structures
- Applied Hydrology
- Soil Improvement Techniques
- Environmental Geo-Techniques
- Property of Structural Materials

Department of **TECHNOLOGY**

Faculty of Engineering & Technology

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 BS - Tech programme is an off shoot of General Engineering in Electrical, Mechanical, Civil, and is geared toward production 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. Students will go to various Industries for training during summer. This program will be monitored by Department on regular basis. Students will prepare their progress report 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.

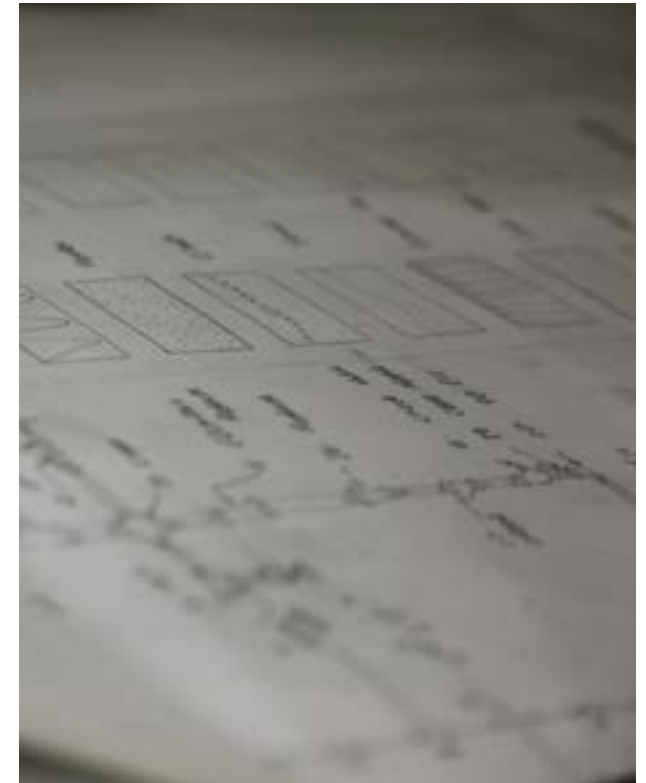
Keeping in view the futuristic needs of Pakistan, The Technology Department is having a separate Industrial Training Division to arrange the Industrial Training for the students in leading industries of Mechanical, Electrical & Civil. Since the number of students is growing at a high pace, the Training Division is continuously increasing its liaison with new industries. In past few years, it has increased from 40 to 350 training positions. Under this division a Placement Bureau is also established to help our graduated students for finding jobs in competitive market.

Degrees 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

Prof. Dr. M. M. Aslam Bhutta
Head of Department
Ph.D

MECHANICAL DIVISION

Engr. Muhammad Arshad Ch.
Assistant Professor
M.Sc Metallurgical & Materials Engineering
MBA (A.I.O.U)

Engr. Syed Adnan Raza
Lecturer
B.Sc Mechanical Engineering

Engr. Sajid Ali
Lecturer
M. Tech. (P.U. Lahore)
B. Tech (Hons) Mechanical Technology (UET)

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

Engr. Abu Hurayra Bin Ahmed
Lecturer
B.Sc Mechanical Engg

Engr. Shoaib Kokab
Lecturer
B.Sc Mechanical Engg

Engr. Wajid Saleem
Lecturer
B.Sc Mechanical Engg

Engr. Mehroz Sana
Lecturer
B.Sc Mechanical Engineering

Engr. Mubashra Javaid
Lecturer
B.Sc (Industrial & Manufacturing Engineering)

Hafiz Usama Hashmat
Lecturer
M.Sc Mechanical Engg

Engr. Kashif Hussain
Lecturer
B.Sc Mechanical Engg

Engr. Hafiz Abdul Hadi
Lecturer
B.Sc Mechanical Engineering

Engr. Naseem Abbas
Lecturer
B.Sc Mechanical Engg

Engr. Umair Iqbal
Lecturer

Engr. Taimoor Hassan
Lab Engineer
B.Sc Mechanical Engg

Engr. Muhammad Imran
Lab Engineer
B.Sc Mechanical Engg.

Engr. Rizwan Zahoor
Lecturer
M.Sc Mechanical Engg

Engr. Khawar Abbas
Lab Engineer
B.Sc Mechanical Engg.

Engr. Munib Qasim Ansari
Lab Engineer
B.Sc Mechanical Engg

Engr. Fatima Tul Zohra
Lab Engineer
B.Sc Mechanical Engg
UET Lahore

ELECTRICAL DIVISION

Engr. Naveed Alam
Assistant Professor
M.Sc Electrical Engg

Engr. Syed M.Hamedoon
Lecturer
M.Sc Electrical Engineering
UET Lahore

Engr. Hisham Khalil
Lecturer
MS Electronics (UOL)

Engr. Muhammad Usman
Lecturer.
BS Electrical Engineering

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

Engr. Umair Rashid
Lecturer
M.Sc Electrical Engg

Engr. Farhan Arif
Lecturer
BS Electrical Engg

Engr. Yasir Dawood
Lecturer
MS Engineering Management
BS Electrical Engineering

Engr. Adnan Samad
Lecturer
BS Electrical Engineering

Engr. Mian Usman Zahid
Lecturer
BS (Electrical Engineering)

Engr. Naveed Us Salam
Lecturer
BS Electrical Engineering

Engr. Adnan Warraich
Lecturer
BS EE (Electrical & Electronics Engineering)

Engr. Muhammad Usman Gull
Lecturer
BS Electrical Engineering

Engr. Muhammad Imran Javed
Lecturer
BS (Electrical Engineering)

Engr. Adil Naseem
Lecturer
BS Electrical Engineering

Engr. Nasir Nauman
Lecturer
BS Electronics and Communication

Engr. Waqas Amin Sheikh
Lecturer
BS (Electrical Engineering)
MBA (Marketing)

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

Engr. Muhammad Junaid Tahir
Lecturer
BS Electrical Engineering

Engr. Anum Arif
Lab Engineer
B.Sc Electrical Engineering

Engr. Shahid Mehmood
Lab Engineer
BS Electrical Engineering

Engr. M. Faizan Tahir
Lab Engineer
B.Sc Electrical Engineering

Engr. Farah Khalid
Lab Engineer
BS Electronics & Communication.

Engr. Mujtaba Ali
Lab Engineer
B.Sc Electrical Engineering

CIVIL DIVISION

Engr. Maria Idrees
Assistant Professor
M.S Civil Engineering
B.Sc Architectural Engg.

Engr. Waqar Mumtaz
Lecturer
M.Sc Civil Engg

Engr. Muhammad Hassan Rehman
Lecturer
M.Sc Hydrology Engineering

Engr. Amir Mehmood
Lecturer
M.Sc Civil Engineering

OUR FACULTY

Engr. Waseem Shahid

Lecturer

B.Sc Civil Engineering

Engr. M. Junaid Butt

Lecturer

B.Sc Civil Engineering

Engr. Humaira Kanwal

Lecturer

B.Sc Architectural Engineering

Engr. Nayyab Azhar

Lecturer

B.Sc. Architectural

Engr. Hafiz Muhammad Shoaib

Lecturer

B.Sc. Civil Engineering

Engr. Sohail Hassan

Lecturer

B.Sc Civil Engg

Engr. Nouman Amjad

Lecturer

B.Sc Civil Engg

Engr. Umer Sajjad

Lab Engineer

B.Sc Civil Engineering

Engr. Usman Shahzad

Lab Engineer

B.Sc Civil Engineering

Engr. Rashid Ahmed

Lab Engineer

B.Sc Civil Engineering

Engr. Syed Nasir Abbas

Lab Engineer

B.Sc Civil Engineering

Engr. Muhammad Kamran

Lab Engineer

B.Sc Civil Engineering

Engr. Muhammad Ahmed

Lab Engineer

B.Sc Civil Engineering

Engr. Saba Mehmood

Lab Engineer

B.Sc Civil Engineering

SOCIAL SCIENCE DIVISION

Dr. Muhammad Sharif Assi

Assistant Professor

Ph.D Education

M.A. LLB

Dr. Arif Nazir

Assistant Professor

PhD Chemistry

Tassawar Shahzad Ahmad

Lecturer

M.Phil High Energy Physics

Muhammad Atif Sultan

Lecturer

M.Phil High Energy Physics

Muhammad Tahir

Lecturer

M.Sc Physics

Muhammad Yaseen

Lecturer

M.Phil (UET)

B.Sc. BZU Multan

Nadeem Ghouri

Lecturer

M.Phil Mathematics

Zeeshan Afzal

Lecturer

M.Phil Mathematics

Syed Sibte Hassan

Lecturer

M.Sc Mathematics

Adnan Asghar

Lecturer

M.Sc Mathematics

Mr. Khalid Arif

Lecturer

M.Sc Mathematic

Miss Sehrish Maqbool

Lecturer

M.A English

Miss Summaira Shamshad

Lecturer

M.A English

Mr. Assadullah

Lecturer

M.A English

Muhammad Shahzad

Lecturer

MS Computer Science

Manzar Ehsan

Lecturer

M.A. Islamic Studies

Muhammad Muzaffar

Lecturer

M.A International Relations

INDUSTRIAL TRAINING DIVISION

Engr. Muhammad Arshad Ch.

Assistant Professor

M.Sc Metallurgical & Materials

Engineering

MBA (A.I.O.U)

Aqeel Asghar

Industrial Coordinator

MBA



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. During the project awarding process, the students are encouraged to take projects according to the current local needs of Pakistan. Students are guided and supervised by qualified and experienced faculty members. The Department also organizes exhibitions of students' projects.

Program FACTS

Program Length
Full-time, 4 Years, Credit Hrs: 133

Entry Requirements
2nd Division, F.Sc (Pre-Engg.), / DAE (Mechanical) ICS (Math, Phy.) / FA (Math, Phy.) A Level or Equivalent

Location
Raiwind Road Campus

Recognised BY

Higher Education Commission

Recently, a project on Solar Air Conditioning based upon Vapor Absorption Cycle got popularity in media and among students.



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
Computer Application I	3					Machine Design I	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	2
Mechanical Vibration	3	Refrigeration & Air Conditioning	3	Automation & Control	3	Islamic & Pakistan Studies	3
Industrial Management	3	Quality Control & Assurance	3	Project	3	Occupational Health Safety & Environment	3
		Training Programme I	4			Training Programme II	4

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 to 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.

Program FACTS

Program Length

Full-time, 4 Years, Credit Hrs: 130

Entry Requirements

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

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 & Pakistan 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 & Water 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		
		Training Programme I	4				

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

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.

Program FACTS

Program Length

Full-time, 4 Years, Credit Hrs: 132

Entry Requirements

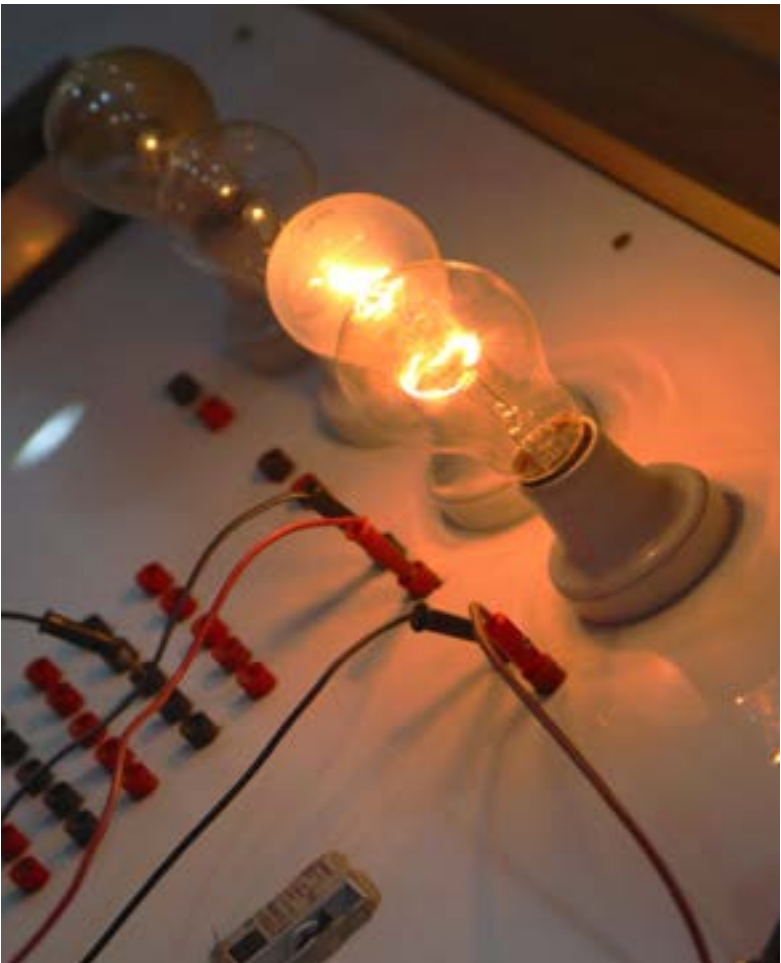
2nd Division, F.Sc (Pre-Engg.) / DAE, (Electrical, Electronics, Instrument)
ICS (Math, Phy.) / FA (Math, Phy.) A Level or Equivalent

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
Islamic & Pakistan Studies	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 Theory	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		
Foundations of Engineering	3	Training Programme I	4				

Department of **ELECTRONICS**

Faculty of Engineering & 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

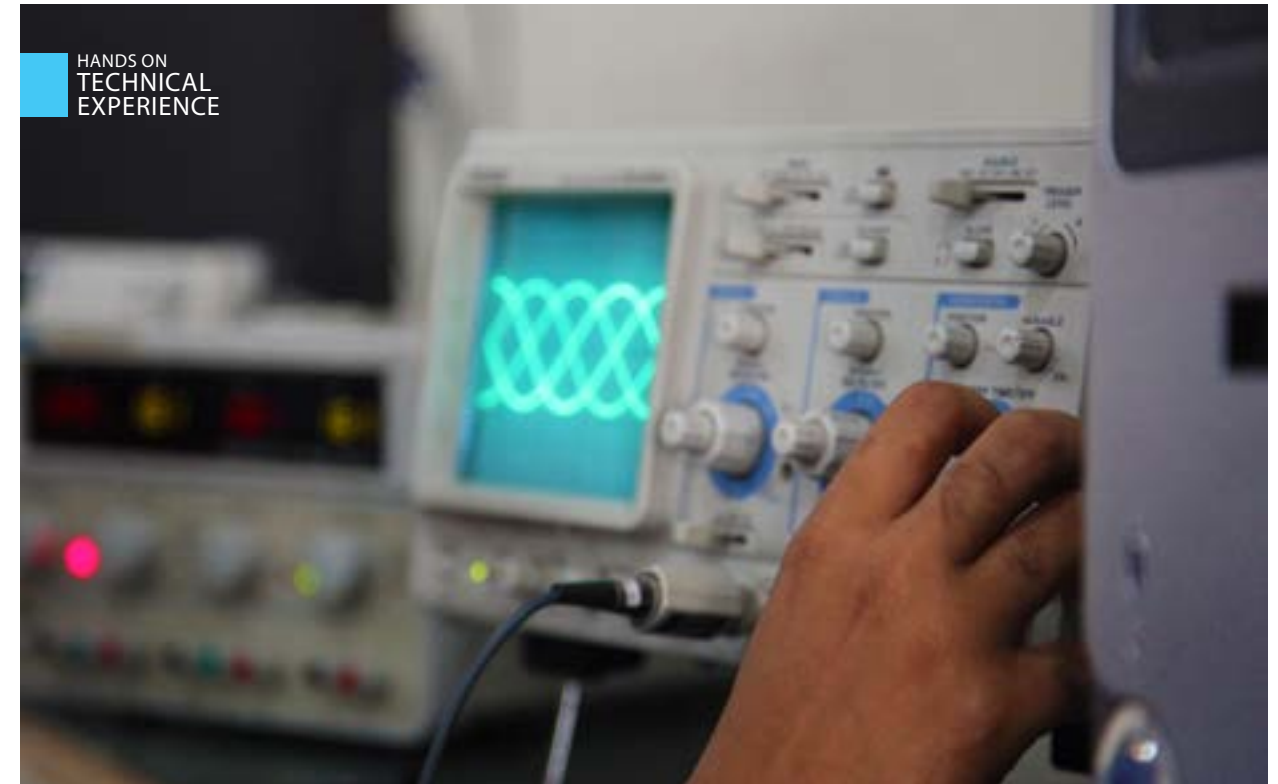
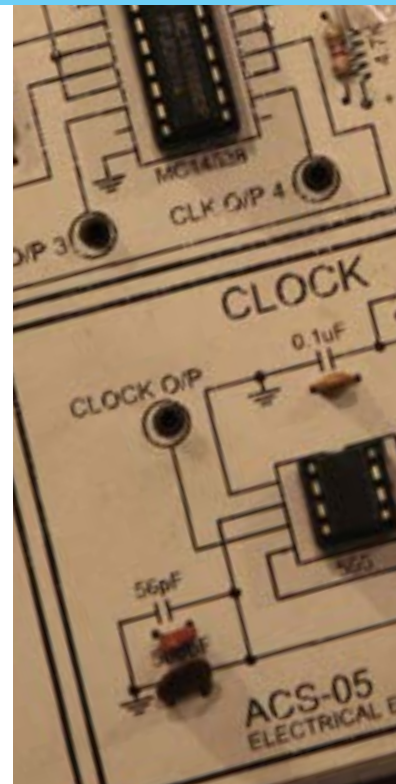
This Department is one of the primary departments of the University of Lahore. Its initial setup was laid when this University opened its gates for students to learn & grow.

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.

Degrees 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 (UOL)
MBA (UOL)
BS Electrical and Electronic Engineering (Dhaka University)
BS Technical Education (Power System)
B.Sc. Physics, Math (PU)

Aftab Farrukh

Assistant Professor

M.Phil. Microelectronic Engineering and Semi Conductor Physics (PU)
M.Sc. Applied Physics (PU)

MS Amber Sultan

Assistant Professor

MS Telecom Engineering (FAST)
BS Electronics and Communication (UOL)

Syed Baqar Hussain

Assistant Professor

MS Telecom Engineering (FAST)
BS Electronics and Communication (UOL)

Ashfaq Ahmad

Assistant Professor

MS Electronics and Communication (UOL)
BS Electronics and Communication (UOL)

Asim Anwar

Lecturer

M.Phil. Electronics (Q A.U)
M.Sc. Electronics (Q A.U)

Muhammad Amish Hasan

Lecturer

M.Phil. Electronics (Q A.U)
M.Sc. Electronics (Q A.U)

Asim Maqsood

Lecturer

MS Electronics & Communication (UOL)
BS Electronics & Communication (UOL)

Muhammad Aamer

Lecturer

BS Computer Engineering (NFC)

Abdul Malik

Lecturer

MS Computer Engineering (UET)
BS Computer Engineering (UET)

Hafiz Kashif Iqbal

Lecturer

BS Electronics Engineering (IUB)

Ali Salman Rana

Lecturer

BS Electrical Engineering (UOL)

Bilal Naseer

Lecturer

BS Electrical Engineering (UOL)

Ghulam Shabbir

Lecturer

BS Electronics Engineering (Dawood Engineering College)

Salman Siddiq

Lecturer

BS Industrial and Manufacturing Engineering (UET)

Asim Mukhtar

Lecturer

MS Electrical Engineering (UOL)
BS Electronics Engineering (COMSATS)

Ameer Ahmed

Lecturer

B.Sc. Electronics Engineering (PU)

Asma Rafique

Lecturer

BBA (Hons) (UOL)

Salman Mazhar

Lecturer

BS Electrical Engineering (UET)

Imran ul Hassan

Lecturer

BS Electrical Engineering (UOL)

Hasan Rafiq

Lecturer

BS Electrical Engineering (UOL)

M. Aman Ullah

Lecturer

BS Electrical Engineering (UET)

Nabeel Haider

Lecturer

BS Electronics and Communication (UOL)

Bilal Janjua

Lecturer

BS Electronics and Communication (UOL)

M. Wasif Sardar

Lecturer

BS Electronics and Communication (UOL)

Mahnoor Rasheed

Lecturer

BS Electronics and Communication (UOL)

Muhammad Wajahat Hassan

Lab Engineer

BS Electronics and Communication (UOL)

Muhammad Ather

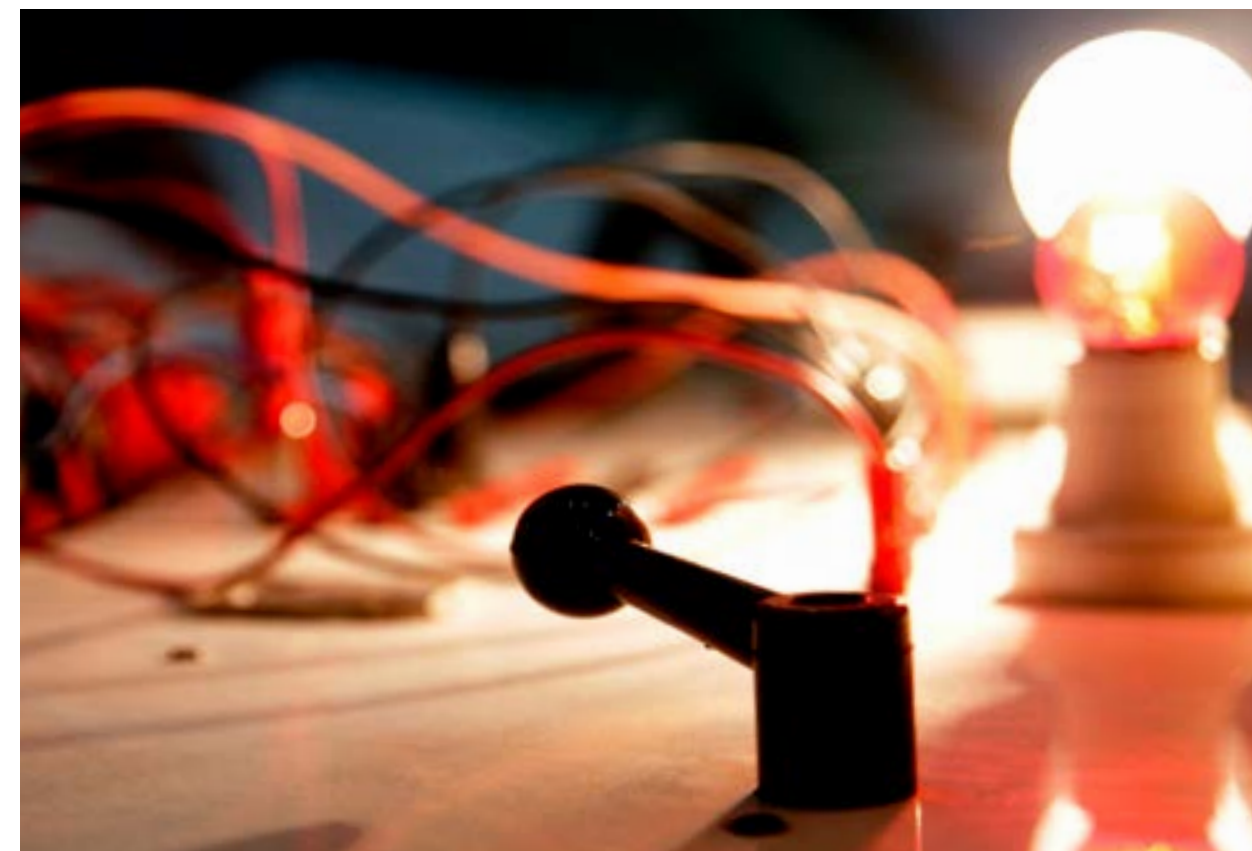
Lab Engineer

BS Electrical Engineering (COMSATS)

Umar Farooq

Lab Assistant

DAE Electrical



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.

Program FACTS

Program Length

Full-time, 4 Years, Credit Hrs:135

Entry Requirements

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

Location

Raiwind Road Campus

Recognised BY

Higher Education Commission

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

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
- 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

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 Workshop	1		

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	3	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.

Program FACTS

Program Length

Full-time, 2 Years, Credit Hrs:30

Entry Requirements

BS Electronics/BSEES/BS Telecom/ M.Sc. Physics/ B.Tech (Hons)/BS Computer Science. HEC recognized University min 2.0 CGPA or 60% marks (Annual system). Interview & Entry Test & GAT arranged by NTS

Location

Raiwind Road Campus

Recognised BY

Higher Education Commission



COURSES

STREAM 1: POWER

CORE COURSE

- Mathematical Methods For Engineers
- Power System Quality, Reliability And Planning
- Advance Power System Protection
- Power Circuit Breaker And Substation
- Advance High Voltage Engineering
- Research Thesis

ELECTIVES

- Transient In Power
- Insulation Coordination Of Power System
- Power System Stability And Load Flow Analysis
- Power System Operation And Control
- Power System Planning
- Power Distribution, Automation & Control

STREAM2: ELECTRONICS & COMMUNICATION

CORE COURSE

- Mathematical Methods For Engineers
- Stochastic Process
- Advance Computer Network
- Digital Communication System
- Advance Digital Signal Processing
- Research Thesis

ELECTIVES

- Information Theory And Coding
- Introduction To Cryptology
- Mobile And Wireless Communication
- Advance Communication Network
- Performance Evaluation of Communication Network
- Real Time Embedded System
- Switched Mode Power Supply
- Digital Speech Processing

Note:

List of electives is not exhaustive. More subjects can be added keeping in view the market requirement.



Faculty of
**INFORMATION
TECHNOLOGY**

COMPUTER
SCIENCE &
INFORMATION
TECHNOLOGY



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 the leadership skills to take-on the

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, Networking, Transportation etc.

Degrees 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)



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

Naveed Ahmed Khan

Assistant Professor

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

MSCS (University of central Punjab Lahore), MBA-HRM, University of Pelita Harapan, Indonesia
BCS-Hons, PICS - Lahore

Muhammad Tayyab

Assistant Professor

BSCS, UCP, Lahore, Pakistan
M.Sc. Computational Logic

Dresden University of Technology, Dresden, Germany

Muhammad Ijaz Nazir Mehrr

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

Abdul Wahab

Lecturer

BSCS University of Central Punjab
MSCS University of Central Punjab

Muhammad Saeed Akhtar

Lecturer

MSCS, The University of Lahore,
BSCS AIOU Islamabad.

Muhammad Waseem Iqbal

Assistant Professor

MSc Computer Science Punjab University BSc Islamia University Bahawalpur

Shahid Yousaf

Lecturer

MSCS University of Central Punjab, Lahore
BSCS University of Central Punjab, Lahore

Beenish Abid

Lecturer

BSc Computer Engineering UET 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

Muhammad Aqeel

Lecturer

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

OUR FACULTY

Imran Hashim

Lecturer

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

Iram Noreen

Lecturer

BSCS The University of Lahore
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

Ms. Amna Humayun

Assistant Professor

BSc (Maths A & B, Stats) Lahore
College for Women University
MSc (Statistics) University of the
Punjab
MS(CS) NUCES-FAST

Abid Bashir

Lecturer

MSc in Information and
Communication
University of Leicester UK
BSc (IT) COMSATS Institute of
Information Technology, Lahore.

Ghulam Ali

Lecturer

BSCS, UCP
MSCS, UCP

Fahad Hassan

Lecturer

MS(CS) LUMS
BS (Software Engineering)
Punjab University

Hammad Hassan Qureshi

Lecturer

MSc, University of Wales (UK)
BSCS, UCP

Iqra Mahmood

Lecturer

MBA (HR & Marketing)
GC University Lahore
B. Com (Hons)
Hailey College of Commerce

Ms. Maliha Ijaz

Lecturer

MS(CS) FAST-NU, Lahore
BS(CS) COMASATS, Lahore

Ms. Shehla Saeed

Lecturer

MS(CS) UMT, Lahore
M. Sc (CS) UAF (FSD)
B. Sc Punjab University, Lahore

Syed Saqib Raza Rizvi

Lecturer

MSCS University of Lahore
BSCS Edward College Peshawar

Syed Sarmad Ali

Lecturer

MS(IT) Coventry University, U.K.
BS (Computer Engineering)
Sir Syed University of Engineering
& Technology

Ms. Shazia Anwar

Lecturer

MA ELT Kinnaird College
M. Phil Applied Linguistic
Kinnaird College

Ms. Qurat Ul Ain

Lecturer

MA (English Literature)
University of Lahore
BA , Defence Degree College

Ms. Amina Aslam

Lecturer

M. Phil (Mathematics) UET, Lahore
M.Sc, UET, Lahore
B.Sc Punjab University

Faisal Yasin

Lecturer

M. Phil (Mathematics)
UET, Lahore
M.Sc UET, Lahore
B.Sc Punjab University

Atiq Ur Rehman

Lecturer

M. Phil (Electronics)
Quaid-e-Azam Univeristy, Islamabad
M.Sc (Electronics)
Quaid-e-Azam Univeristy, Islamabad
B.Sc
Punjab University

Ms. Sumayyah Saleem

Lecturer

M. Phil (Applied Physics)
UET, Lahore
M.Sc (Applied Physics)
BZU, Multan

Hassaan Namdar

Lecturer

BBA (Hons.)
LBS, University of Lahore
MBA
LBS, University of Lahore

Khawaja Ali Qadeer

Lecturer

MBA, University of Northampton,
UK
BSc (Computer Engineering)
UET, Lahore

Ms. Rabia Younas

Lecturer

M. Phil (Mathematics)
UET, Lahore
M.Sc (Mathematics)
UET, Lahore
B.Sc, Punjab University

Ms. Sumaira Tabbasum

Lecturer

MA (English) BZU, Multan
BA, B.Ed BZU, Multan

Majid Nadeem

Lecturer

MSc (Physics)
UET, Lahore
BSc, BISE, Bahawalnagar

Muhammad Faisal Shahzad

Junior Lecturer

BSc (Computer Engineering)
COMSATS, Lahore

Nadeem Tariq

Junior Lecturer

BS (CS) COMSATS, Lahore

Waqas Ali

Junior Lecturer

BS (CS) Punjab University

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.

Program FACTS

Program Length

Full-time, 4 Years

Entry Requirements

Intermediate, FA / FSc / ICS / I.Com, A-Levels, DAE or equivalent (Minimum 50% Marks). Candidates having non mathematics background in HSSC or equivalent examination must study a 3 credit hours deficiency mathematics course in the first semester. The credit hours of the deficiency mathematics course will not be counted towards the degree completion.

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	Electromagnetism	3	Digital Logic and Design	3	Data Structures and Algorithms	3
Programming Fundamentals	4	Technical & Report Writing	3	Object Oriented Programming	3	Introduction to Database Systems	4
Calculus and Analytical Geometry	3	Computer Programming	3	Multivariable Calculus	3	Computer Organization and Assembly Language	3
Functional English	3	Probability & Statistics	3	Communication Skills	3	Differential Equations	3
Islamic & Pakistan Studies	3	Elective-I	3	Discrete Structures	3	Professional Practices	3
				Elective-II	3	Elective-III	3

COURSES

CORE COURSES

- Introduction to Computing
- Programming Fundamentals
- Calculus and Analytical Geometry
- Functional English
- Multivariable Calculus
- Technical and Report Writing
- Digital Logic and Design
- Object Oriented Programming
- Probability and Statistics
- 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
- Computer Programming

ELECTIVE COURSES

- Advance Software Engineering
- Java Software Paradigm
- Software Project Management
- Software Testing & Implementation
- Data Warehousing & Data Mining
- Distributed Database Systems
- Database Operations & Maintenance
- Database Application Design
- Data & Network Security
- Wireless Networks
- Internet Architecture & Protocol
- Digital Image Processing
- Expert Systems
- Artificial Neural Networks
- Intelligent Systems
- Computer Graphics
- Multimedia
- Technical Game Design
- Mobile Application Development
- Human Resource Management
- Principle of Management
- Principle of Marketing
- Economics
- Organization Behaviour & Culture
- Introduction to Graph Theory
- Entrepreneurship
- Personal Growth & Development

Semester 5	Cr Hr	Semester 6	Cr Hr	Semester 7	Cr Hr	Semester 8	Cr Hr
Linear Algebra	3	Compiler Construction	3	Software Design Project-I	3	Software Design Project-II	3
Operating System	4	Numerical Computing	3	Artificial Intelligence	3	CS Elective-V	3
Theory of Automata & Formal Languages	3	Design and Analysis of Algorithm	3	Human Computer Interaction	3	CS Elective-VI	3
Introduction to Software Engineering	3	Computer Architecture	3	CS Elective-III	3	CS Elective-VII	3
Computer Communication & Networks	3	CS Elective-I	3	CS Elective-IV	3		
Elective-IV	3	CS Elective-II	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 administrators, network analyst and administrators, e-commerce & web developers and IT consultants in various government or private organizations.

Program FACTS

Program Length

Full-time, 2 Years

Entry Requirements

Bachelors with 14 Years Education, BA / B. Com / BSc or equivalent examination from a HEC recognized University / Institute (Minimum 45% Marks)

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	Object Oriented 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	Theory of Automata	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	Advanced Software Engineering	3	Final project	6
Web Programming	3	Software Engineering	3	Computer Architecture	3		

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



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.

Program FACTS

Program Length
Full-Time, 2 Years

Entry Requirements
Bachelors with 14 Years Education, BA / B. Com / BSc or equivalent examination from a HEC recognized University / Institute (Minimum 45% Marks)

Location
Defence Road Campus

Recognised BY

Higher Education Commission

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

Road MAP

Semester 1	Cr Hr	Semester 2	Cr Hr	Semester 3	Cr Hr	Semester 4	Cr Hr
Fundamentals of Algorithms	3	Object Oriented 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	Theory of Automata	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		



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.

Program FACTS

Program Length
Full-Time, 2 Years

Entry Requirements
BS (CS) 4-years Degree Programme (minimum 130 credit hours) from a HEC recognized University / Institute.

Computer Science 2-years Degree Programme (MCS / M.Sc (CS) / M.Sc IT) from a HEC recognized University / Institute.

16-years Engineering graduates (minimum 130 credit hours) from a HEC recognized University / Institute.

Minimum of 2.5/4.00 CGPA. In case of percentage system, minimum 60% aggregate.

All Students must have passed NTS General Assessment Test (GAT) at the time of Application.

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
Advanced Algorithm Analysis	3	Research Methods	3	Elective – I	3	Thesis – II	6
Advanced Software Engineering	3	Advanced Operating Systems	3	Thesis – I	3		
Advanced Computer Architecture	3	Advanced Theory of Computation	3	Elective – II	3		

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



Faculty of
SCIENCES

INSTITUTE OF
MOLECULAR
BIOLOGY &
BIOTECHNOLOGY

CENTRE FOR
RESEARCH IN
MOLECULAR
MEDICINE



Institute of MOLECULAR BIOLOGY & BIOTECHNOLOGY

Faculty of Sciences

Mission STATEMENT

The Institute of Molecular Biology and Biotechnology (IMBB) and Centre for Research in Molecular Medicine (CRiMM) have been especially developed to provide facilities for teaching and research at the frontiers of knowledge to students from all rungs of society without any distinction of cast, color, and creed or financial status. The mission of the institute is to promote learning for the development of innovative techniques, creation of knowledge and gainful employment in the market. Along with this the institute provides a congenial atmosphere for the promotion of co-curricular abilities of the students

INTRODUCTION

The Institute of Molecular Biology and Biotechnology was established in the year 2004. It offers under graduate and graduate degree programs in the subject of Biochemistry, Molecular Biology, Physiology, Biotechnology, Microbiology, Forensic Science

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 manpower needed for the economic development of the country. The Institute employs highly qualified faculty for the delivery of curricula. The semiotic method is combined with interactive teaching to enhance the learning process. The major focus of the university is to impart technologies which could be used gainfully by graduates for employment or for further education. The research programs of the department are based on recent developments at the frontiers of knowledge. Some of the areas of research include: cell signaling in normal and in cancer cells, alternate remedies for treatment of cancer (for example, natural products, micro RNAs and 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 and medical microbiology. Special MPhil programs in the subject of Biochemistry, Microbiology, Physiology, Forensic Science & Ultrasound Technology, especially designed for MBBS Doctors are also offered by the Institute. These programs are approved by Pakistan Medical and Dental Council (PMDC) and are conducted by senior PhD faculty of the Institute and Centre for Research in Molecular Medicine (CRiMM). The department encourages the students through exhaustive studies to implement new knowledge in their fields of research. Centre for research in Molecular Medicine and Institute of Molecular Biology and Biotechnology are equipped with up-to-date equipment to undertake research for which the students opt in their third and fourth semesters.

Degrees OFFERED

BS in Biochemistry & Biotechnology, Biotechnology, Microbiology & Biotechnology, Molecular Biology & Biotechnology, Environmental sciences

MSc in Biochemistry & Biotechnology, Biotechnology, Microbiology & Biotechnology, Molecular Biology & Biotechnology,

M.Phil/MS in Biochemistry Biotechnology, Microbiology, Molecular Biology, Forensic Science, Environmental sciences

PhD in Biochemistry, Biotechnology, Microbiology Molecular Biology, Physiology



HANDS ON
TECHNICAL
EXPERIENCE

OUR FACULTY

MH Qazi

Professor/Director

PhD (Physiology)

M Arslan

Distinguished Professor

PhD (Physiology)

Sheikh Riaz-Ud-Din

Distinguished Professor

PhD (Biochemistry)

AM Cheema

Professor

PhD (Physiology)

Mushtaq A. Saleem

Professor

Ph.D (Zoology)

Javed Iqbal Mirza

Professor

PhD (Genetics)

Javed Anwer Qureshi

Professor

PhD (Biochemistry)

Arif Malik

Associate Professor

PhD (Botany)

Sarfraz Ahmad

Assistant Professor

PhD (Pharmaceutical Chemistry, Austria)

Ayesha Riaz

Assistant Professor

PhD (Molecular Biology)

Farheen Ansari

Assistant Professor

PhD (MicroBiology)

Naveed Wasif

Assistant Professor

PhD (Molecular Biology)

Muhammad Sajjad Ali

Assistant Professor

PhD (Plant Biotechnology)

Muhammad Saqib Shahzad

Assistant Professor

PhD (Forensic Sciences)

Muhammad Shoaib

Assistant Professor

BDS, MS, PhD (Biochemistry)

Roquyya Gul

Assistant Professor

PhD (Biological Sciences)

Rana Amjad

Assistant Professor

PhD (Molecular Biology)

Ishrat Aziz

Assistant Professor

PhD (Biological Sciences)

Sohail Mehmood Karimi

Lecturer

M.Phil (Biotechnology)

Khawar Ali Shahzad

Lecturer

M. Phil (Microbiology)

Quddoos ul Haq Muqaddasi

Lecturer

M.Phil (Biotechnology)

Ms Rabail Alam

Lecturer

MSc (Statistic)

Imran Riaz Malik

Lecturer

PhD (Molecular Biology and Biotechnology)

Abid Sarwar

Lecturer

M.Phil (Microbiology)

Ammarah Shahid Rizvi

Lecturer

Mphil (Biotechnology)

Nadia Wajid

Lecturer

PhD (Molecular Biology)

Maria Fareed Siddiqui

Lecturer

Pharm-D, M. Phil (Molecular Biology)

Muhammad Asif Habeeb

Lecturer

DVM, PhD (Biotechnology)

Asia Parveen

Lecturer

MPhil (Biochemistry)

Saba Shamim

Lecturer

MPhil (Microbiology and Molecular Genetics)

Fatima Ali

Lecturer

PhD Molecular Biology

Qurrat-Ul-Ain Ahmad

Lecturer

MS Biochemistry

Amna Mahmood

Lecturer

MPhil Biochemistry

Shahzad Bhatti

Assistant Professor

M.Phil (Molecular Biology)

Kalsoom Zaigham

Assistant Professor

M.Phil Biochemistry

Muhammad Sajjad

Lecturer

M.Phil Biochemistry

Neelam Saba

Lecturer

M.S/MPhil (Biochemistry)

Uzma Sahar

Lecturer

MPhil (Plant Biochemistry & Molecular biology)

Nureen Zahra

Lecturer

MSc (Molecular Biology)

Muhammad Usman Mirza

Lecturer

M.Phil (Bioinformatics)

Asif Saleem

Lecturer

M.Phil Botany

Muhammad Azam

Lecturer

M.Sc Biochemistry

Madiha Neelam

Lecturer

MA English

Gul Fatima

Lecturer

MA English

Shabbir Hussain

Lecturer

MA Mathematics



Bachelor of Science BIOCHEMISTRY & BIOTECHNOLOGY

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

Program 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
Biochemistry I: Introduction to Biochemistry	4	Biochemistry II: Metabolism I	4	Biochemistry III: Metabolism II	3	Enzymology	3
Introductory Genetics	3	Molecular Biology I	4	Introduction to Biotechnology	3	Body Fluids and Function	3
Introduction to Computers	3	Cell Biology I	3	Cell Biology II	4	Biochemistry of Vitamins and Minerals	3
Foundation of English	3	Biomathematics	3	Biological diversity	3	Microbial Biochemistry and Biotechnology	4
Mathematics	3	English Technical Writing and comprehension	3	Communication Skills	3	Plant Biochemistry	3
Islamic Studies	2			Pakistan Studies	2		

COURSES

- Biochemistry I: Introduction to Biochemistry
- Biochemistry II: Metabolism I
- Biochemistry III: Metabolism II
- Enzymology
- Body Fluids and Function
- Biochemistry of Vitamins and Minerals
- Microbial Biochemistry and Biotechnology
- Plant Biochemistry
- Natural Product I
- Biochemistry of Hormones
- General Physiology
- Clinical Biochemistry
- Biochemistry & Physiology of Stress Tolerance
- Environmental Biochemistry
- Techniques in Biochemistry
- Toxicology
- Advanced Biochemistry
- Research Thesis/Review Report



Semester 5	Cr Hr	Semester 6	Cr Hr	Semester 7	Cr Hr	Semester 8	Cr Hr
Biochemistry of Hormones	4	Molecular Genetics and Genetic Disorders	3	Biochemistry & Physiology of Stress Tolerance	3	Advanced Biochemistry	4
General Physiology	3	Food Biotechnology	3	Environmental Biochemistry	3	Bioinformatics and System Biology	3
Clinical Biochemistry	3	Natural Products I	3	Techniques in Biochemistry	3	*Review Report/Research	3
Immunology	4	Introduction to Cell Signalling	3	Bio-safety & Bioethics	2		
Recombinant DNA Technology	4	Biostatistics	3	Toxicology	3		
		Research Methodology	2	*Review Report/Research	3		

Bachelor of Science MOLECULAR BIOLOGY & BIOTECHNOLOGY

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.

Program FACTS

Program Length

Full-time, 4 Years

Entry Requirements

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

Location

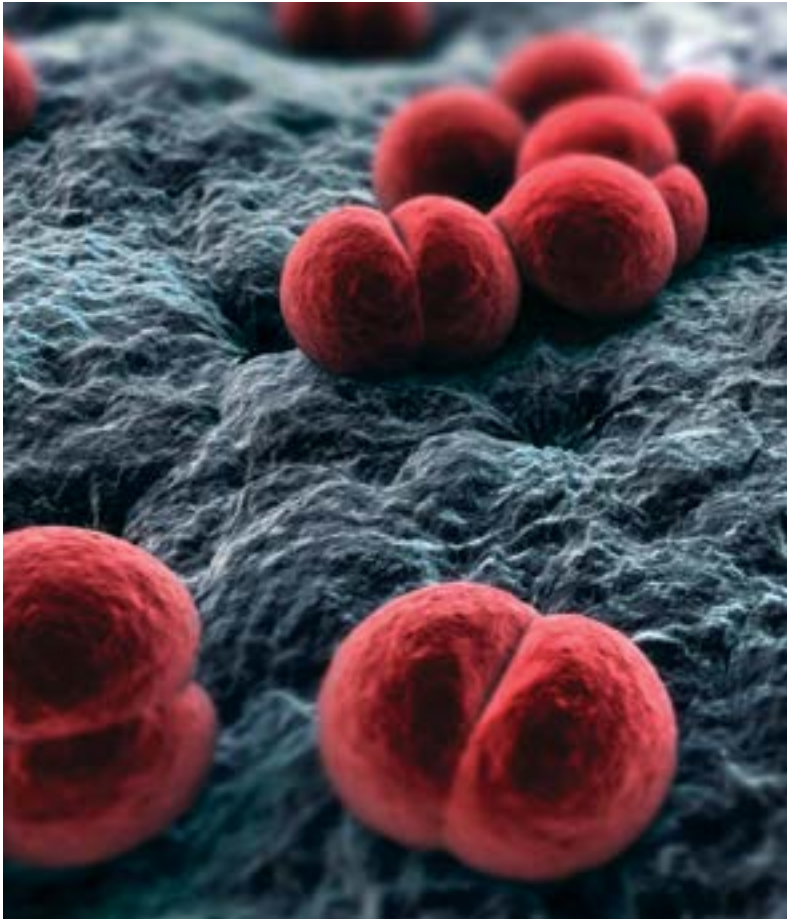
Defence Road Campus

Recognised BY

Higher Education Commission

COURSES

- Molecular Biology I
- Cell Biology I
- Introduction to Biotechnology
- Cell Biology II
- Molecular Biology II
- Molecular Genetics & Genetic Disorders
- Introduction to Cell Signaling
- Genomics, Transcriptomics & Proteomics
- Recombinant DNA Technology
- Microbial Biotechnology & Vaccinology
- General Virology
- Plant Biotechnology
- Epigenetics
- Techniques in Molecular Biology
- Stem Cells and Gene Therapy
- Cell and Tissue Culture
- Applied Biotechnology
- *Review Report/Research



Road MAP

Semester 1	Cr Hr	Semester 2	Cr Hr	Semester 3	Cr Hr	Semester 4	Cr Hr
Biochemistry I - Introduction to Biochemistry	4	Biochemistry II - Metabolism I	4	Biochemistry III - Metabolism II	3	Enzymology	3
Introductory Genetics	3	Molecular Biology I	4	Introduction to Biotechnology	3	General Microbiology	3
Introduction to computers	3	Cell Biology I	3	Cell Biology II	4	Molecular Biology II	4
Foundation of English	3	Biomathematics	3	Biological Diversity	3	Molecular Genetics & Genetic Disorders	3
Mathematics	3	English Technical Writing and Comprehension	3	Communication Skills	3	General Physiology	3
Islamic Studies	2			Pakistan Studies	2		

Semester 5	Cr Hr	Semester 6	Cr Hr	Semester 7	Cr Hr	Semester 8	Cr Hr
Endocrinology	3	Microbial Biotechnology & Vaccinology	3	Genomics, Transcriptomics & Proteomics	3	Cell and Tissue Culture	4
Bioinformatics and System Biology	3	General Virology	3	Epigenetics	3	Applied Biotechnology	3
General Bacteriology	3	Plant Biotechnology	3	Techniques in Molcular Biology	3	*Review Report/Research	3
Immunology	4	Introduction to Cell Signalling	3	Bio-safety & Bioethics	2		
Recombinant DNA Technology	4	Biostatistics	3	Stem Cell and Gene Therapy	3		
		Research Methodology	2	*Review Report/Research	3		

Bachelor of Science in BIOTECHNOLOGY

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.

Program 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

COURSES

- Introductory Genetics
- Molecular Biology I
- Cell Biology I
- Introduction to Biotechnology
- Cell Biology II
- Molecular Biology II
- Animal Biotechnology
- Plant Biotechnology
- Microbial Biotechnology
- Microbial Genetics
- Principles of Biochemical Engineering
- Recombinant DNA Technology
- Genetic Resources & Conservation
- Food Biotechnology
- Pharmaceutical Biotechnology
- Genomics, Transcriptomics & Proteomics
- Environmental Biotechnology.
- Techniques in Molecular Biology
- Agriculture Biotechnology
- Cell and Tissue Culture
- Health Biotechnology.
- *Review Report/Research



Road MAP

Semester 1	Cr Hr	Semester 2	Cr Hr	Semester 3	Cr Hr	Semester 4	Cr Hr
Biochem I: Introduction to Biochemistry	4	Biochemistry II - Metabolism I	4	Biochemistry III - Metabolism II	3	Ecosystem & Environment	3
Introductory Genetics	3	Molecular Biology I	4	Introduction to Biotechnology	3	General Microbiology	3
Introduction to Computers	3	Cell Biology I	3	Cell Biology II	4	Molecular Biology II	4
Foundation of English	3	Biomathematics	3	Biological Diversity	3	Animal Biotechnology	3
Mathematics	3	English Technical Writing and Comprehension	3	Communication Skills	3	Plant Biotechnology	3
Islamic Studies	2			Pakistan Studies	2		

Semester 5	Cr Hr	Semester 6	Cr Hr	Semester 7	Cr Hr	Semester 8	Cr Hr
Microbial Biotechnology	3	Genetic Resources & Conservation	3	Genomics, Transcriptomics & Proteomics	3	Cell and Tissue Culture	4
Microbial Genetics	4	Food Biotechnology	3	Environmental Biotechnology	3	Health Biotechnology	3
Principles of Biochemical Engineering	3	Pharmaceutical Biotechnology	3	Techniques in Molcular Biology	3	*Review Report/Research	3
Immunology	4	Bioinformatics and System Biology	3	Bio-safety & Bioethics	2		
Recombinant DNA Technology	4	Biostatistics	3	Agriculture Biotechnology	3		
		Research Methodology	2	*Review Report/Research	3		

Bachelor of Science MICROBIOLOGY & BIOTECHNOLOGY

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.

Program 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

- Cell Biology I
- General Microbiology
- Cell Biology II
- Bacteriology
- Microbial Biochemistry
- Medical Microbiology
- Microbial Physiology
- General Mycology
- Microbial Genetics
- General Virology
- Microbial Biotechnology & Vaccinology
- Food Microbiology
- Industrial Microbiology
- Environmental Microbiology
- Techniques in Microbiology
- *Review Report/Research



Road MAP

Semester 1	Cr Hr	Semester 2	Cr Hr	Semester 3	Cr Hr	Semester 4	Cr Hr
Biochemistry I - Introduction to Biochemistry	4	Biochemistry II - Metabolism I	4	General Microbiology	3	General Bacteriology	3
Introductory Genetics	3	Molecular Biology I	4	Introduction to Biotechnology	3	Microbial Biochemistry	4
Introduction to Computers	3	Cell Biology I	3	Cell Biology II	4	Molecular Biology II	4
Foundation of English	3	Biomathematics	3	Biological Diversity	3	Medical Microbiology	3
Mathematics	3	English Technical Writing and Comprehension	3	Communication Skills	3	Microbial Physiology	3
Islamic Studies	2			Pakistan Studies	2		

Semester 5	Cr Hr	Semester 6	Cr Hr	Semester 7	Cr Hr	Semester 8	Cr Hr
General Mycology	3	Microbial Biotechnology & Vaccinology	3	Genomics, Transcriptomics & Proteomics	3	Cell & Tissue Culture	4
Microbial Genetics	4	Food Microbiology	3	Environmental Microbiology	3	Bioinformatics and System Biology	3
General Virology	3	Industrial Microbiology	3	Techniques in Microbiology	3	*Review Report/Research	3
Immunology	4	Introduction to Cell Signaling	3	Bio-safety & Bioethics	2		
Recombinant DNA Technology	4	Biostatistics	3	Stem Cell and Gene Therapy	3t		
		Research Methodology	2	*Review Report/Research	3		

Bachelor of Science ENVIRONMENTAL SCIENCES

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.

Program 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*	2
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
Environmental Biotechnology	3	Environmental Biotechnology	3	Climate Change	3	Environmental Laws & policies	3
GIS & Remote Sensing	4	GIS & Remote Sensing	4	Environmental Impact Assessment	3	Health and Environment	3
Environmental Management Systems	3	Environmental Management Systems	3	Natural Resource Management	3	Pollution control Technologies	3
Biodiversity & Conservation	3	Biodiversity & Conservation	3	Research Methods in Environmental Science	3	Review Report	3
Environmental Monitoring	3	Environmental Monitoring	3	Disaster management	3		
Agro-ecology	3	Agro-ecology	3	Review Report	3		

Master of Science BIOCHEMISTRY & BIOTECHNOLOGY

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

- Biochemistry I: Introduction to Biochemistry
- Introduction to Molecular Biology & Biotechnology
- Introduction to Physiology
- Biochemistry of Hormones
- Enzymology
- Biochemistry II: Metabolism I
- Clinical Biochemistry
- Natural Products 2
- Immunology
- Biostatistics
- Biochemistry III: Metabolism II
- Biochemistry of Cell Signaling
- Environmental Biochemistry
- Techniques in Biochemistry
- Bioinformatics and System Biology
- Research Thesis/Review

Program 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
Biochemistry I: Introduction to Biochemistry	4	Biochemistry II: Metabolism I	4	Biochemistry III: Metabolism II	3	Bioinformatics and System Biology	3
Introduction to Molecular Biology & Biotechnology	4	Immunology	4	Biochemistry of Cell Signaling	3	Research thesis/Review	6
Introduction to Physiology	3	Natural Product II	3	Techniques in Biochemistry	4		
Biochemistry of Hormones	3	Clinical Biochemistry	3	Environmental Biochemistry	2		
Enzymology	3	Biostatistics	3	Research thesis/Review	6		

Master of Science MOLECULAR BIOLOGY & BIOTECHNOLOGY

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

- Biochemistry I: Introduction to Biochemistry
- Introduction to Molecular Biology & Biotechnology
- Introduction to Physiology
- General Microbiology
- Molecular Genetics & Genetic Disorders
- Biochemistry of Macromolecules
- Immunology
- Recombinant DNA Technology
- Cell and Tissue Culture
- Biostatistics
- Genomics, Transcriptomics & Proteomics
- Applied Biotechnology
- Techniques in Molecular Biology
- Cell Signaling & Signal Transduction
- Bioinformatics and System Biology
- Research thesis/Review

Program 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
Biochemistry I: Introduction to Biochemistry	4	Biochemistry of Macromolecules	4	Genomics, Transcriptomics & Proteomics	3	Bioinformatics	3
Introduction to Molecular Biology & Biotechnology	4	Immunology	4	Applied Biotechnology	2	Research thesis/Review	6
Introduction to Physiology	3	Recombinant DNA Technology	4	Techniques in Molecular Biology	4		
General Microbiology	3	Cell and Tissue Culture	3	Cell Signaling & Signal Transduction	3		
Molecular Genetics & Genetic Disorders	3	Biostatistics	3	Research thesis/Review	6		

Master of Science BIOTECHNOLOGY

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

- Biochemistry I: Introduction to Biochemistry
- Introduction to Molecular Biology & Biotechnology
- Genetic Resources & Conservation
- Microbial Biotechnology
- Environmental Biotechnology
- Agricultural Biotechnology
- Immunology
- Recombinant DNA Technology
- Cell and Tissue Culture
- Biostatistics
- Genomics, Transcriptomics& Proteomics
- Health Biotechnology
- Techniques in Molecular Biology
- Food Biotechnology
- Bioinformatics and System Biology
- Research thesis/Review

Program 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
Biochemistry I: Introduction to Biochemistry	4	Agricultural Biotechnology	3	Genomics, Transcriptomics & Proteomics	3	Bioinformatics	3
Introduction to Molecular Biology & Biotechnology	4	Immunology	4	Health Biotechnology	2	Research thesis/Review	6
Genetic Resources & Conservation	3	Recombinant DNA Technology	4	Techniques in Molcular Biology	4		
Microbial Biotechnology	3	Cell and Tissue Culture	3	Food Biotechnology	3		
Environmental Biotechnology	3	Biostatistics	3	Research thesis/Review	6		

Master of Science MICROBIOLOGY & BIOTECHNOLOGY

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

- Biochemistry I: Introduction to Biochemistry
- Introduction to Molecular Biology & Biotechnology
- Introduction to Physiology
- General Microbiology
- General Virology
- Mycology
- Immunology
- Medical Microbiology
- Cell and Tissue Culture
- Biostatistics
- General Bacteriology
- Industrial Microbiology
- Techniques in Microbiology
- Microbial Biotechnology & Vaccinology
- Bioinformatics and System Biology
- Research Thesis/Review

Program 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
Biochemistry I: Introduction to Biochemistry	4	General Mycology	3	Bacteriology	3	Bioinformatics	3
Introduction to Molecular Biology & Biotechnology	4	Immunology	4	Industrial Microbiology	3	Research thesis/Review	6
Introduction to Physiology	3	Medical Microbiology	3	Techniques in Microbiology	4		
General Microbiology	3	Cell and Tissue Culture	3	Microbial Biotechnology & Vaccinology	3		
General Virology	3	Biostatistics	3	Research thesis/Review	6		

M.Phil BIOCHEMISTRY

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

- Advanced Biochemistry
- Recent Trends in Immunology
- Advanced Heterocyclic Compounds (EC)
- Advanced Clinical Biochemistry
- Techniques in Biochemistry
- Advanced Toxicology (EC)
- Biochemistry of Cell Signaling & Transduction (EC)
- Research Thesis

Program 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
Pakistan Medical & Dental Council

Road MAP

Semester 1	Cr Hr	Semester 2	Cr Hr	Semester 3	Cr Hr	Semester 4	Cr Hr
Advanced Biochemistry	3	Advanced Clinical Biochemistry	3	Elective III: (e.g. Biochemistry of Cell Signaling)	3	Research & thesis	6
Recent Trends in Immunology	3	Techniques in Biochemistry	2	Research Thesis	6		
Elective I: (e.g. Advanced Heterocyclic Compounds)	3	Elective II: (e.g. Advanced Toxicology)	3				
Biostatistics	2	Bioinformatics	2				

M.Phil MOLECULAR BIOLOGY

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.

COURSES

- Advanced Molecular Biology
- Advanced Recombinant DNA Technology
- Molecular Genetics & Genetic Disorders (EC)
- Recent Trends in Immunology
- Techniques in Molecular Biology
- Genomics, Transcriptomics & Proteomics (EC)
- Cell Signaling & Signal Transduction (EC)
- Research Thesis

Program 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 Molecular Biology	3	Recent Trends in Immunology	3	Elective III: (e.g. Cell Signaling & Signal Transduction)	3	Research & thesis	6
Advanced Recombinant DNA Technology	3	Techniques in Molecular Biology	2	Research Thesis	6		
Elective I: (e.g. Molecular Genetics & Genetic Disorders)	3	Elective II: (e.g. Genomics, Transcriptomics & Proteomics)	3				
Biostatistics	2	Bioinformatics	2				

M.Phil of BIOTECHNOLOGY

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.

COURSES

- Principles of Biotechnology
- Advanced rDNA Technology
- Cell & Tissue Culture (EC)
- Health Biotechnology
- Industrial Biotechnology
- Molecular Basis of Plant Development (EC)
- Techniques in Biotechnology
- Transgenic Organisms (EC)
- Research Thesis

Program 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
Principles of Biotechnology	3	Health Biotechnology	3	Elective III: (e.g. Elective III: Transgenic Organisms)	3	Research thesis	6
Advanced DNA Technology	3	Elective II: (e.g. Molecular Basis of Plant Development)	3	Research thesis	6		
Elective I: (e.g. Cell & Tissue Culture)	3	Techniques in Biotechnology	2				
Biostatistics	2	Bioinformatics	2				

M.Phil of MICROBIOLOGY

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

- Advanced Microbiology
- Microbial Genetics and Diseases
- Medical Microbiology (EC)
- Microbial Biochemistry and Physiology
- Techniques in Microbiology
- Food Microbiology (EC)
- Advanced Virology (EC)
- Research Thesis

Program 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
Pakistan Medical & Dental Council

Road MAP

Semester 1	Cr Hr	Semester 2	Cr Hr	Semester 3	Cr Hr	Semester 4	Cr Hr
Advanced Microbiology	3	Microbial Biochemistry and Physiology	3	Elective III: (e.g.) Advanced Virology	3	Research thesis	6
Microbial Genetics and Diseases	3	Techniques in Microbiology	2	Research thesis	6		
Elective I: (e.g. Medical Microbiology)	3	Elective II: (e.g. Food Microbiology)	3				
Biostatistics	2	Bioinformatics	2				

M.Phil of ENVIRONMENTAL SCIENCE

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.

Program 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 Microbiology	3	Advances in Plant Ecology	3				

M.Phil of PHYSIOLOGY

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

- Advanced Physiology
- Advances in Endocrinology
- Cell and Molecular Physiology (EC)
- Advances in Neurophysiology
- Physiology of Reproduction (EC)
- Cell Signaling & Signal Transduction (EC)
- Techniques in Physiology
- Research Thesis

Program 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

Pakistan Medical & Dental Council

Road MAP

Semester 1	Cr Hr	Semester 2	Cr Hr	Semester 3	Cr Hr	Semester 4	Cr Hr
Advanced Physiology	3	Advances in Neurophysiology	3	Elective III: (e.g. Cell Signaling and Signal Transduction)	3	Research Thesis	6
Advances in Endocrinology	3	Elective II: (e.g. Physiology of Reproduction)	3	Research Thesis	6		
Elective I: (e.g. Cell and Molecular Physiology)	3	Techniques in Physiology	3				
Biostatistics	2	Bioinformatics	2				

M.Phil of FORENSIC SCIENCE (PFS)

INTRODUCTION

The program of study is equivalent to M.Phil/MS. Students who have completed 16 years of education at BS or MSc level are eligible for admission to MPhil degree program. The Degree program fulfils all the curricular requirements as set out by the Higher Education Commission, consisting of compulsory. The students are required to complete 24 credit hours of courses in the first 2 semesters and conduct research in the remaining 12 credit hours spread over two semesters. All students are required to pass GAT examination conducted by the National Testing Service (NTS). Admission test is held by the Institute.

Career PROSPECTS

crime science, forensic drug chemistry, computer science, biosciences, statistics, anthropology forensic Biology odontology. The students are more likely to apply in Law Enforcement agencies like FA/NAB (Anti Corruption)

COURSES

- Forensic Analytical Toxicology
- Analytical Techniques in Forensic Chemistry
- Bloodstain Pattern Analysis
- Forensic Photography
- Advances in Forensic Anthropology
- Firearms and Tool Marks Analysis
- Population Genetics and Statistics
- Forensic Questioned Document Analysis

Program 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
Criminalistics and Introduction to Forensics	3	Elective I: (e.g. Basics of Biological Evidence	3	Research and Thesis	6	Research and thesis	6
Quality Assurance Standard in Forensic Laboratory	3	Elective II: (e.g. Forensic Science and Death Investigation	3				
Witness and Testimony in Courts	3	Elective III: (e.g. Hair Evaluation for DNA Analysis)	2				
Forensic Communication Skills and Report Writing	3	Elective IV: (e.g. Forensic Drug Chemistry	3				
Forensic Ethics and Project Preparation techniques	3						

Ph.D PROGRAM

INTRODUCTION

Ph.D program has been organized in accordance with the guidelines provided by the Higher education Commision (HEC). Those who have completed 18 years of education are eligible for admission to the program. **The program in the subject of Biochemistry, Physiology and Microbiology are approved by the Pakistan Medical and Dental Council (PMDC).**



Program FACTS

Program Length

Three years full time

Entry Requirements

18 years of education (After MS / M.Phil) with at least 3.0 CGPA

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	Semester 3	Cr Hr	Semester 4	Cr Hr
Course I*	3	Course IV* (*Selected from the courses of PhD.)	3	Research *(Thesis)	7	Research* (Thesis)	7	Research* (Thesis)	8	Research* (Thesis)	8
Course II*	3	Research Reading I^	3								
Course III* (*Selected from the courses of PhD.)	3	Research Reading II^ (^Titles to be decided by Supervisor)	3								

PhD COURSES LIST

NOTE: The Panel of PhD Supervisors will propose four taught courses from the following lists.

PhD BIOCHEMISTRY

Advanced Biochemistry	3 (3-0)
Recent Trends in Immunology	3 (3-0)
Advanced Heterocyclic Compounds	3 (3-0)
Advanced Clinical Biochemistry	3 (3-0)
Techniques in Biochemistry	2 (1+1)
Advanced Toxicology	3 (3-0)
Biochemistry of Cell Signaling & Signal Transduction	3 (3+0)
Metabolic Pathways	3 (3-0)
Nutritional Biochemistry	3 (2-1)
Advances in Enzymology	3 (3-0)
Natural Products 3: Extraction & Analysis	3 (2-1)
Advances in Endocrinology	3 (2+1)
Research Reading I	3
Research Reading II	3
Research Thesis	30 (0-30)

PhD MOLECULAR BIOLOGY

Advanced Molecular Biology	3 (3-0)
Advanced Recombinant DNA Technology	3 (2-1)
Molecular Genetics & Genetic Disorders	3 (3-0)
Molecular Immunology	3 (2-1)
Genomics, Transcriptomics & Proteomics	3 (3-0)
Advanced Epigenetics	3 (3-0)
Developmental Biology	3 (3-0)
Molecular Basis of Cancer	3 (3-0)
Cell and Molecular Physiology	3 (3-0)
Cell Signalling and Signal Transduction	3 (3-0)
Techniques in Molecular Biology	3 (0-3)
Research Reading I	3
Research Reading II	3
Research Thesis	30 (0-30)

COURSES

PhD BIOTECHNOLOGY

Principles of Biotechnology	3 (3-0)
Advanced rDNA Technology	3 (3-0)
Cell & Tissue Culture (EC)	3 (3-0)
Health Biotechnology	3 (3-0)
Molecular Basis of Plant Development (EC)	3 (3-0)
Transgenic Organisms (EC)	3 (3-0)
Applications of Biotechnology	3 (3-0)
The Molecular Basis of Cancer	3 (3-0)
Advanced Techniques in Biotechnology	3 (1-2)
Advances in Plant Biotechnology	3 (3-0)
GM Technology and Environmental Management	3 (3-0)
Biotechnology of Renewable Resources	3 (3-0)
Research Reading I	3
Research Reading II	3
Research Thesis	30 (0-30)

PhD MICROBIOLOGY

Advanced Microbiology	3 (3-0)
Microbial Genetics and Diseases	3 (2-1)
Medical Microbiology	3 (2-1)
Microbial Biochemistry and Physiology	3 (2-1)
Techniques in Microbiology	2 (1-1)
Food Microbiology	3 (2-1)
Advanced Virology	3 (2-1)
Molecular Immunology	3(3-1)
Microbial Biotechnology & Vaccinology	3 (2-1)
Cell and Tissue Culture	3(2-1)
Genomics, Transcriptomics & Proteomics	3 (2-1)
Cell Signaling and Signal Transduction	3 (3-0)
Research Reading I	3
Research Reading II	3
Research Thesis	30 (0-30)

PhD PHYSIOLOGY

Advanced Physiology	3 (3-0)
Advances in Endocrinology	3 (2-1)
Cell and Molecular Physiology	3 (3-0)
Advances in Neurophysiology	3 (3-0)
Physiology of Reproduction	3 (2-1)
Cell Signaling & Signal Transduction	3 (3-0)
Recent Trends in Neuroscience	3 (3+0)
Physiology of Sports and Exercise	3 (2-1)
Nutritional Biochemistry	3 (2-1)
Cancer Biology	3 (3-0)
Cell & Tissue Culture	3 (2-1)
Forensic Sciences	3 (2+1)
Research Reading I	3
Research Reading II	3
Research Thesis	30 (0-30)



Centre of **RESEARCH IN MOLECULAR MEDICINE** (CRIMM)

Mission STATEMENT

- Foster professional and intellectual development of scholars and faculty members at all levels. Place major emphasis on quality of the postgraduate programme leading to PhD.
- Undertake basic research in areas of national importance in the sectors of biomedical sciences and health.
- Actively interact and collaborate in research and higher training with other relevant institutions within and outside the country.
- Promote research interaction with public agencies and industry.

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 more effective therapeutic and diagnostic tools in medical practice.

In line with the policy of the University of Lahore to develop high quality expertise and 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 and outside the country.

OBJECTIVES

- To conduct quality research in 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 degree.
- 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 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 biomedical sciences.



OUR FACULTY

M.H. Qazi, PhD
Professor and Director
CRiMM

Sheikh Riaz-ud-Din, PhD
Professor
CRiMM

M Shoaib, PhD
Assistant Professor
BDS / PhD
CRiMM

Sarfraz Ahmad, PhD
Assistant Professor
CRiMM

Naveed Wasif, PhD
Assistant Professor
CRiMM

Sumaira Shaheen, MSc
Research Assistant
(CRiMM)

M Shoaib, MSc
Research Assistant
CRiMM

M Arslan, PhD
Distinguished Professor
CRiMM

Shahid Malik, PhD
Professor and Dean,
University College of Medicine
(Co-opted)

Syed Amir Gilani, MBBS, PhD
Professor
CRiMM

Samina Kausar, PhD
Assistant Professor
PhD Biochemistry

Maria Fareed, Pharm-D, MPhil
Lecturer
(CRiMM)

M. Asad, MSc
Research Assistant
CRiMM

Advisory COMMITTEE

E. Nieschlag, PhD, FRCP
Professor
University of Muenster
Muenster, Germany

M Arslan, PhD
Professor
FC College University
Lahore

T.A. Butt, FRCP
Institute of Child Health and
Children Hospital Lahore

A. Nasim, PhD
Advisor
COMSTECH Islamabad, Pakistan

M Aslam
Professor
Shifa College of Medicine
Islamabad, Pakistan

W. Akhtar
PhD, FPAS, SI
University of the Punjab
Lahore, Pakistan

AR Shakoori
Professor
University of the Punjab
Lahore, Pakistan

Masood Shams
Harvard University,
Harvard, MA, USA

Visiting SCIENTISTS

A. Ali, PhD
University of Sargodha
Sargodha, Pakistan

AS Sheikh,
MPhil BZ University
Multan, Pakistan

S. Naz,
PhD LCW University,
Lahore, Pakistan

S. Saeed,
MPhil University of Cambridge
Cambridge, UK

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 postgraduate programmes for medical and science candidates, leading to MPhil and PhD degrees.

CURRENT RESEARCH AREAS

- Genetics and molecular biology of breast cancer
- Genetics and biochemistry of metabolic diseases with special emphasis on obesity and diabetes
- Molecular and biochemical markers in cancer and metabolic diseases
- Recombinant DNA techniques
- Cell signaling mechanisms in Physiological functions
- Production of monoclonal and polyclonal antibodies used in medical diagnostics and applied medical research
- Cell and tissue culture technology
- Stem cell technology
- Genetics and physiology of idiopathic infertility
- The development and testing of therapeutic agents derived from natural protocol.
- Pharmaco-Physiology of drugs presently used in cancer.

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

Forensic Science

Research Specialization in Forensic Serology, Forensic Biology, Forensic Toxicology, Forensic Chemistry, Forensic Documentation and Anthropology.

Program 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



Faculty of
PHARMACY

PHARMACY



Department of **PHARMACY**

Faculty of Pharmacy

Mission STATEMENT

The mission of Faculty of Pharmacy, University of Lahore, is to play a pivotal role in the development and advancement of healthcare professionals by educating them with quality education and providing ample opportunities to learn and explore in order to meet the challenges related to healthcare needs of nation, state, and all over the world. This will be accomplished by motivating the students to render their services in order to play a pivotal role in the health care system in Pakistan with full devotion, commitment and dedication

Our vision is to be recognized globally for excellence in innovation, professionalism, education and health related research

INTRODUCTION

The Faculty of Pharmacy, University of Lahore, is consisting of over 70 teachers who are competent to impart professional and technical education to pharmacy students. Three of them are holding Ph.D degree

and more than six are enrolled in Ph.D program in Pakistan and abroad. Majority of the rest of the faculty members are either M.Phil. or pursuing the syllabi/research for obtaining degree Master of Philosophy in any of the Pharmacy disciplines. Faculty members are striving to the best of their ability to prepare the students for future challenges through the development of communication, problem solving skills, caring, professionalism, innovation, productivity and moral ethics among students.



Degrees OFFERED

Doctor of Pharmacy (Pharm. D)
Five Years Program
Comprising of 10 Semesters

Master of Philosophy in
Pharmaceutics,
Pharmaceutical Chemistry,
Pharmacology,
Pharmacognosy

Doctor of Philosophy (Ph.D)
Pharmacology



OUR FACULTY

Mohammad Ashraf
Director Administration

Prof. Dr. Bashir Ahmad
Dean of Faculty
B.Pharm, M.Pharm(Pb)
Ph.D. (Wales, U.K.)
Post Doc. Fellow (USA)
R.Ph.

Javed Iqbal
Head of Faculty

Dr. Zaka ur Rehman
Associate Professor
Ph.D in Pharmacology & Toxicology

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)

Sherjeel Adnan
Asst. Professor
M.Phil.(Pharmaceutics)

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

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

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

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

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

Muhammad Tanveer Khan
Assistant. Professor
M.Phil Pharmacognosy

Shamsul Hassan
Lecturer
M.Phil (Pharmaceutics)

Ishrat Imran
Lecturer
M.Phil (Pharmacology)

Sadia Mushtaq
Lecturer
M.Phil (Pharmaceutics chemistry)

Naila Abrar
Lecturer
M.Phil.(Biochemistry)

Farah Abid
Lecturer
M.Phil.(Pharmacology)

Moosa Raza
Lecturer
M.Phil.(Pharmaceutics)

Nadia Shanawar
Lecturer
M.Phil.(Biotechnology)

Amir Rashid
Lecturer
M.Phil.(Pharmacology)

Muhammad Farooq
Lecturer
M.Phil.(Pharmaceutics)

Nausheen Saba Khalid
Lecturer
M.Phil (Pharmacology)

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

Muhammad Tariq
Lecturer
M.Phil.(Biochemistry)

Sameera Khurshid
Lecturer
M.Phil.(Pharmacology)

Durr-e-Shahwar
Lecture
Pharm-D,

Asma Fareed Khan
Lecturer
Pharm-D,

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

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

Zeeshan Akber
Lecturer
Pharm-D

Fouzia Latif
Lecturer
Pharm-D

Sana Hanif
Lecturer
Pharm-D

Kanwal Shahzadi
Lecturer
Pharm-D

Nighat Batool
Lecturer
Pharm-D

Shoaib Ahmed
Lecturer
Pharm-D

Khurram Ammir
Lecturer
Pharm-D

Nadia Kanwal
Lecturer
Pharm-D

Taimoor Ali Shakoori
Lecturer
Pharm-D

Saleha Javed Mughal
Lecturer
M.Sc

Ghullam Shabbir
Lecturer
MA

Nasir Ali
Lecturer
M.Sc(Mathematics)

Rabia Asghar
Lecturer
Pharm-D

Muhammad Ali Syed
Lecturer
Pharm-D

Muhammad Umair Amin
Lecturer
Pharm-D

Sohaib Peerzada
Demonstrator
Pharm-D

Doctor of PHARMACY (PHARM.D)

INTRODUCTION

The objective of this 5 years undergraduate degree program 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 emphasizes 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.

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-II
- Pathology
- Pharmacology & Therapeutics III (Systemic •Pharmacology-I)
- Pharmacognosy-III
- Pharmacology & Therapeutics-IV (Systemic Pharmacology-II)
- Pharmacognosy-IV
- Pharmaceutical Chemistry IV (Instrumentation-II)

Career PROSPECTS

The approved 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 & social skills that will enable them to pursue careers in:

- 1) Pharmaceutical care in health systems & community environments where appropriate medication usage and patient's safety is paramount.
- 2) Pharmaceutical Industry & its quality systems.
- 3) Pharmacovigilance / Patient safety & safe medication usage in community & health care systems.
- 4) Academia and Research.

5) Managed Patient Care as a member of multidisciplinary health care team.

6) Keeping stakeholders in the pharmaceutical sector up to date on the implications of WTO TRIPS.

Program 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

COURSES

Pharm D: 10 semesters
Comprehensive, written + oral

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-I)	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 (M.PHIL)

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

The post graduate M.Phil. programme has been launched by the Faculty 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 Faculty of Pharmacy 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 Faculty of Pharmacy awarding M.Phil. degrees.

Career PROSPECTS

High quality higher pharmacy education delivered in a safe, professional and easy environment at the Faculty 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.

Program FACTS

Program Length

Full-time, 2 Years
Course work: 1 year
Research work 7 thesis

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				

Note: Comprehensive written & oral examination is taken at the end of 2nd semester for all desciplines.

Doctor of Philosophy (Ph.D) in PHARMACOLOGY

INTRODUCTION

The Doctor of Philosophy (Ph.D.) degree program is the highest academic degree that requires extended study, innovation, creative and intellectual effort. The need, value and worth of knowledge, expertise, professional skills and new research techniques are going to reshape the pharmacy education. In this era, this is a paramount requirement to gain full benefits from the advancement and development of research.

The Faculty of Pharmacy, University of Lahore, offers Doctor of Philosophy (Ph.D.) in Pharmacology. Pharmacology, backbone of pharmacy curriculum is the study of drugs and chemicals on living organisms. Pharmacology today is multidisciplinary, is based on the knowledge of physiology, biochemistry, cell biology and molecular biology. Pharmacology with its various subdivision links to other mainstreams of biomedical disciplines that are of immense importance in drug designing and therapeutics.

Career PROSPECTS

Higher Pharmacy education (Pharmacology) is delivered in professional and practical environment. University of Lahore will produce such Professionals who possess a comprehensive understanding of the discipline of Pharmacology and are well equipped with knowledge, innovation and expertise in drug development that will contribute to significant improvement in health care system.

Program FACTS

Program Length
 Full-time, 3 to 4 years
 Course work: 1 year (2 Semester).
 Research work: 2 to 3 years.

Entry Requirements
 M.Phil. in Pharmacology with minimum CGPA 3.00 and applicant must have passed GAT (Subjective)

Location
 Defence Road Campus

Recognised BY

Higher Education Commission

Road MAP

Semester 1	Cr Hr	Semester 2	Cr Hr
Research Methodology	2	Learning of Various Analytical Research Techniques	2
Battery of Pharmacological Tests to Discover New molecules and Methods and Techniques Applied to Establish Pharmacological Activities in various Classes of Drugs	2	Advanced Pharmacology and Therapeutics of Drugs employed to Treat Epidemic/ Pandemic/Endemic	3
Metabolic Disorders	3	Role of Herbal/ or Alternative Therapies in treating ailment	2
Statistical/ Computer Applications	1	Literature Retrieval/ Learning of Synopsis writing	1
Seminar	1	Seminar	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 Allied 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.

Degrees OFFERED

B.Sc Nursing (B.Sc-N)

B.Sc Nursing Post RN
B.Sc-N (PostRN)



OUR FACULTY

Mr. Muhammad Afzal

Principal, LSN / Assistant Professor
MSN (AKU), BSN, (AKU), M. Sc
Haem. (BMU), MBA (Preston)

Ms. Anjum John

Senior Instructor
B. Sc Nursing (Post RN), DTA, DWA
Diploma in Midwifery, Diploma in
General Nursing

Ms. AsiyaKhanum

Instructor
B. Sc Nursing (Post RN),
Diploma in Midwifery, Diploma in
General Nursing

Muhammad Hussain

Lecturer
B. Sc Nursing (Post RN), BHMS
(Federal Urdu University)
Diploma in General Nursing

Ms. Farzana Iqbal

Instructor
B. Sc Nursing (Post RN),
Diploma in Midwifery, Diploma in
General Nursing

Ms. FazeelatTahira

Instructor
B. Sc Nursing (Post RN),
Diploma in Midwifery, Diploma in
General Nursing

Ms. Firdous Hameed

Instructor
B. Sc Nursing (4 Years Program)

Ms. Kousar Perveen

Instructor

B. Sc Nursing (4 Years Program)

Syeda Kanwal Fatima

Lecturer
MA ELTL, BA Humanities

Ms. Sadia Jabeen

Lecturer
MA Education, BA Sociology

LOCAL VISITING FACULTY

Dr. Naeem Ashraf

Assistant Prof.
(MBBS, FCPS)

Ms. Kalsoom

Assistant.Prof.
(M Phil Biochemistry)

Muhammad Azam

Lecturer
(MS Biochemistry)

Naureen Zahra

Lecturer
(M Phil Microbiology)

Qurat-ul-Ain

Lecturer
(M Phil Microbiology)

Ms. RabailAlam

Lecturer
(MSc Biostatistics)

Mr. Iftikhar Ali

Lecturer

(M Phil Mathematics)

Ms. Madiha Khalid

Lecturer
(Pharm D)

Muhammad Bilal Masood Qureshi

Lecturer
(M Phil Applied Mathematics)

Bachelor of Science in NURSING (BScN)

INTRODUCTION

This programme consists of 135 credit hours with 43 courses & 1 Elective Course. 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 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.

Core 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
- English-III
- 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 and Practices
- English-V
- Mental Health Nursing
- Introduction to Biostatistics
- Behavioral Psychology
- Epidemiology
- English-VI
- Culture, Health, and Society
- Critical Care Nursing
- Introduction to Nursing Theories
- Leadership and Management in

Program 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

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
- Paediatric 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			Pediatric Nursing	5
						Dental Health Nursing	5
						Education	5
						Management	5
						Mental Health Nursing	5
						Critical Nursing	5
						Operation Theatre Nursing	5



Bachelor of Science in NURSING POST RN (B.SC-N (POSTRN))

INTRODUCTION

This programme consists of 68 credit hours with 20 courses & 1 Elective course. After completion of the two year BSc Nursing, students will be able to:

- Utilise the nursing process to provide safe, competent, and holistic nursing care to patients/clients in variety of settings.
- Utilise effective critical thinking and problem solving 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 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

Core COURSES

- Advance Concept in Clinical Nursing-I
- Communication Skill (English)
- Computer Skills
- Health Assessment
- Microbiology
- Physics & Biochemistry
- Teaching & Learning, Principles and Practices
- Advance Concept in Clinical Nursing-II
- Introduction to Biostatistics
- Nursing Research
- Pathophysiology
- Writing for Research (English)
- Advanced Concept in Community Health Nursing
- Applied Nutrition
- Ethical & Professional Development in Health Care
- Leadership and Management in Nursing
- Professional Writing (English)
- Reproductive Health
- Academic Writing (English)
- Advanced Concept in Mental Health Nursing

Elective COURSES

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

Program FACTS

Program Length

Full-time, 2 Years

Entry Requirements

Three Years Diploma General Nursing, 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	00	Nursing Research	3	Ethical & Professional Development in Health Care	3	Elective	7
Health Assessment	3	Pathophysiology	4	Leadership and Management in Nursing	3		
Microbiology	3	Writing for Research (English)	3	Professional Writing (English)	3		
Physics & Biochemistry	3			Reproductive Health	1		
Teaching & Learning, Principles and Practices	2						



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 the national certification

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

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 as well as Certification, Diploma 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.

Degrees **OFFERED**

Bachelor of Science in Ultrasound Technology (**B. Sc-MUT**)

M.Sc. Medical Ultrasound Technology (**M.Sc.-MUT**)

MS Medical Imaging Technology (**MS-MIT**)

Medical Imaging Doctor (**MID**)

Certificate in Medical Ultrasound Technology (**CMUT**)

Diploma in Medical Ultrasound Technology (**DMUT**)

Transitional Diploma in Medical Imaging Technology (**TDMIT**) **1 Year**

Extended Diploma in Medical Imaging Technology (**EDMIT**) **2 Years**

PhD in Ultrasound Technology

PhD in Medical Imaging Technology



OUR FACULTY

Prof.Dr.Syed Amir Gilani

Professor & Head of Department
MBBS, DMRD (Pb)
PhD (Sudan) PhD (Swiss)

Prof.Dr. Mukhtar Alam Ansari

Consultant Radiologist
MBBS (Pb), MD (Radiology), PhD
(Japan)

Dr. Muhammad Usman

Assistant Professor
MBBS (Pb)
FCPS(Radiology), FRCR(II-B)

Dr. Haroon Saeed

Assistant Professor
MBBS (Pb), FCPS (Radiology)
FRCR (II-B)

Dr. Tauqeer Ahmad Abbasi

Assistant Professor
MBBS, DMRD (Pb)
M. Sc(Sudan),RDMS (USA)

Dr.Sajjid Shaheen Malik

Assistant Professor
MBBS, M.Sc-Ultrasound (Sudan)

Dr. Tehmina Sajjad Khan

Assistant Professor
MBBS, M.Sc-Ultrasound (UK)

Dr. Tauseef Qamar

Senior Lecturer
MBBS

Dr.Naushina Naveed

Senior Lecturer
MBBS,RMP(USA)

Dr. Asma Hameed Raja

Lecturer
MBBS, M. Phil-Ultrasound (UOL)

Dr.Faiqal Iyas

Lecturer
MBBS, PGD-Ultrasound (UOL)
BASIC SCIENCES

Ms.Faiza Meer

Lecturer
M.Phil-Biochemistry (UOL)

Dr. Varda Hasan

Lecturer
MBBS

Dr. Hina Nasreen Malik

Lecturer
MBBS

Local Visiting

Prof.Dr.Umair Rasheed

Neuro-Radiologist
MBBS (Pb), DMRD (Pb), MCPS
(Radiology)

Dr. Shahzad Karim Bhatti

Interventional Radiologist
MBBS (Pb), DMRD (Pb), FCPS
(Radiology)

Dr.Mazhar Mushtaq

Assistant Professor
MD (Hungary), M.Phil–
Biochemistry, PhD(Korea)
Shalimar Hospital Lahore

Dr. Mussarat Hasan

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

Dr. Muhammad Nafees

Consultant Radiologist
MBBS (Pb), DMRD (Sindh),
MCPS(Radiology)
ConsultantRadiology, Karachi

Dr. Zahoor Ahmed

**Consultant Radiologist
&Sonologist**
MBBS (Pb), DMRD(Pb),
MCPS(Radiology)
Islamabad,Pakistan

Prof.Dr. M. H.Bokhari

Consultant Pathologist
MBBS (Pb),FCPS(Pathology),
PhD(Pathology).

Dr. Syed Wadood Ahsan

**Consultant Radiologist &
Sonologist**
MBBS (Pb), DRMRD (Punjab)
M.Phil(Ultrasound)
Consultant Radiologist, Ahsan
Hospital

Dr. Fazeel-U-Zaman Alvi

Consultant Sonologist
MBBS (Pb), MCPS (FM), DU(PK)
City Ultrasound, Abbottabad

International Visiting Faculty

Prof.Dr.AsimKurjack

**Consultant gynecologist &
Obstetrician**
M.D, PhD,
Medical school
Universities of Zagreb & Sarajevo

Prof.Dr.UlrichHoneymeyer

**Consultant Gynecologist &
Obstetrician**
M.D, PhD,
Welcare Hospital, Dubai
United Arab Emirates

Prof.Dr.Giovanni Monni

**Consultant gynecologist &
Obstetrician**
M.D, PhD,
Department of Obgyn& Prenatal &
Preimplantation genetic diagnosis
fetal. Therapy regional hospital,
Microcitemia University of Cagliari
Italy.

Prof.Lubos Hrazdira

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

Dr. Khawaja Iftikhar

Consultant Radiologist
MBBS (Pb), DMRD(Pb)
MCPS (Radiology), FCPS(Radiology)
Military Hospital,
AbuDhabi,UAE

Prof.GuidoC.Robotti

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

Prof.Dr. Dana Fodar

Consultant Rheumatologist
M.D(Rheumatology),PhD
Cluj NapocaUniversity,Romania

Dr.Nasir Hameed

**Consultant Radiologist &
Sonologist**
MBBS,M.Phil,
Radiology Department
Leicester Infirmary University
Hospital, Leicester United
Kingdom.

Prof.Dr.Alsafi Abella Bala

College of Radiological Sciences
M.Sc,PhD (Swiss), PhD(Sudan),
Sudan University of Sciences &
Technology,
Khartoum, Sudan

Dr. Mohamed Awadella Musa

**Head of Radiological Sciences
Department**
M.Sc,PhD (Swiss)
University of Dammam, Dammam,
kingdom of Saudi Arabia.

Bachelor of Science in ULTRASOUND TECHNOLOGY (B.Sc-MUT)

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 program is for the student's community to provide them the latest techniques in the field of Ultrasound worldwide.

After completing this program, they can move further for Masters in Ultrasound Technology or can work as Assistant to a Radiologist in the Radiology Department of a Hospital.

Program FACTS

Program Length

2 Years

Entry Requirements

Minimum 50 % F. Sc or Equivalent

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
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						

Master of Science in MEDICAL ULTRASOUND TECHNOLOGY (M.Sc-MUT)

INTRODUCTION

This program is introduced for the first time in Pakistan, keeping in view the need of a healthcare institute in Radiology Department. This course will provide and enable student to cope with the rapid advancement in the field of Ultrasound.

Career PROSPECTS

This professional program is for the student's community to provide them the latest techniques in the field of Ultrasound worldwide. After completing this program, they can move further for M.Phil in Ultrasound/Radiology or can get jobs in the Radiology department as a "Technologist".

Program FACTS

Program Length

2 Years

Entry Requirements

Minimum 50 % B. Sc or Equivalent

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
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

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.

Program FACTS

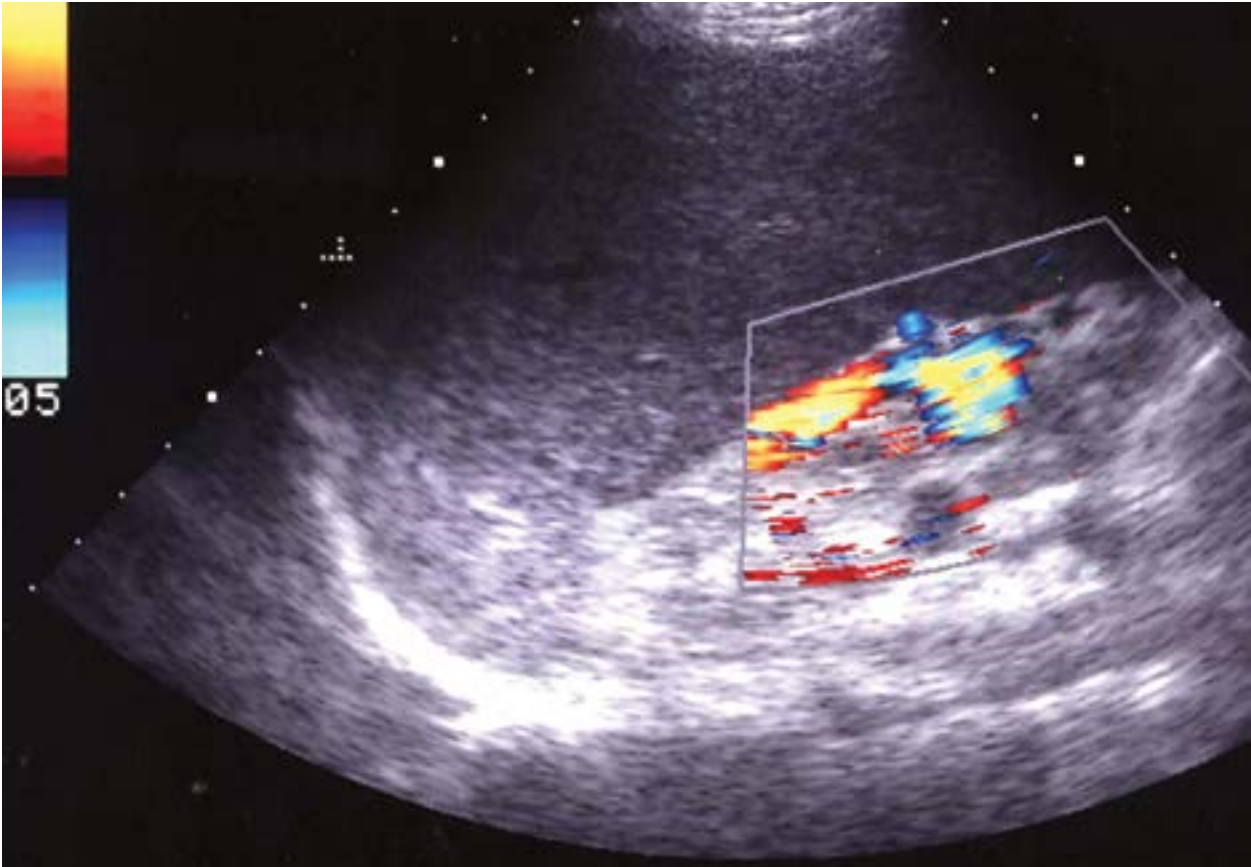
Program Length
4 Years

Entry Requirements
FSc or Equivalent

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
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	Cr Hr	Semester 6	Cr Hr	Semester 7	Cr Hr	Semester 8	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 (MS-MIT)

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".

Program FACTS

Program Length
2 Years

Entry Requirements
Minimum 50 % B.Sc. (Honors 4 years) or Equivalent

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
Medical Imaging Physics & Instrumentation	2	Obstetrical Ultrasound	2	Research M. & Statistics.	2	Research	17
Applied Anatomy	2	Applied Pathology	1	Medical Ethics	3		
Applied Physiology	2	Applied Doppler	1	Research	12		
Abdominal Ultrasound	2	Vascular Ultrasound	1				
Small Parts Ultrasound	1	Musculoskeletal Ultrasound	1				
Gynaecological Ultrasound	2	Angiography	1				
Conventional Radiography	2	Interventional Radiology	1				
Basics of CT	2	Brain CT & MRI	2				
Basics of MRI	2	Chest CT & MRI	2				
		Abdominal CT & MRI	2				
		Locomotors System CT and MRI	2				
		Neuroradiology	1				

MEDICAL IMAGING DOCTOR (MID)

INTRODUCTION

This program is equal to professional & clinical Master Degree like Pharm-D & DVM etc. It was introduced first time in Pakistan in spring 2013, keeping in view the need of a healthcare institute in Radiology Department. This course will provide & enable student to cope with the rapid advancement in the field of Medical Imaging Technology e.g. Radiography, CT, MRI, Ultrasound etc.

Career PROSPECTS

This professional program is for the student's community to provide them the latest techniques in the field of Ultrasound worldwide. After completing this program, they can move further for M.Phil in Radiology or can get jobs in the Radiology department as a "Doctor of Medical Imaging" as per job description approved by health authorities later on.

Program FACTS

Program Length
5 Years (10 semesters) 156 Credit Hours

Entry Requirements
Minimum 50 % F. Sc or Equivalent

Location
Raiwind Road Campus

Recognised BY

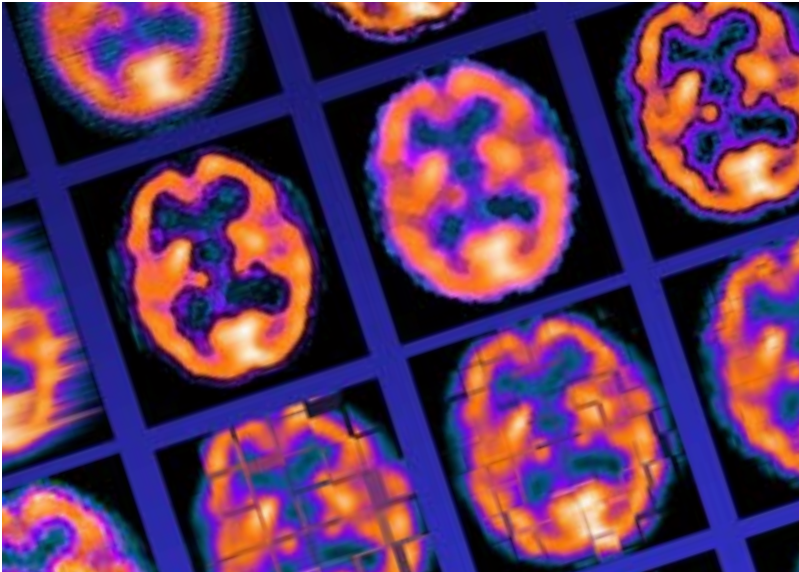
Higher Education Commission

Semester 1	Cr Hr	Semester 2	Cr Hr	Semester 3	Cr Hr	Semester 4	Cr Hr	Semester 5	Cr Hr
Basic Anatomy	4	Medical Ethics.	5	Gynaecological Ultrasound	4	Radiation sciences and technology	3	Applied Medicine	3
Applied Anatomy	3	Applied Physiology	4	Musculoskeletal Ultrasound	3	General Radiology	4	Applied Surgery	3
Medical imaging Physics & Instrumentation	4	Obstetrical Ultrasound	8	Basics of Doppler ultrasound	3	Interventional Radiology	5	Applied Pathology	3
Basic Physiology	2			Abdominal Ultrasound	5	Small parts Ultrasound	5	Clinical Pharmacology	3
Basic Biochemistry	2			Computer Education	2			Echocardiography	4
Basic Pathology	2							Patient care	2
Semester 6	Cr Hr	Semester 7	Cr Hr	Semester 8	Cr Hr	Semester 9	Cr Hr	Semester 10	Cr Hr
Computed Tomography (CT)	7	Magnetic resonance imaging (MRI)	7	Nuclear medicine	4	Practical Ultrasound	2	Practical Magnetic resonance imaging (MRI)	2
Mammography special radiological techniques	7	Medical imaging in Emergency Medicine	2	Advances in Medical Imaging Technology	3	Practical Vascular Ultrasound	2	Practical Fluoroscopy	2
Angiography and cardiac imaging	3	Vascular Ultrasound	3	Research methodology and Biostatistics	2	Practical Medical imaging in Emergency Medicine	2	Practical Mammography	2
		Behavioural Sciences	3	Research Project	8	Practical Computed Tomography (CT)	2	Practical Interventional Radiology	2
		Islamiyat & Pakistan studies	2			Practical X-Rays	2	Practical in Nuclear Medicine	2

Transitional Diploma in MEDICAL IMAGING TECHNOLOGY(TDMIT)

INTRODUCTION

This diploma is designed especially for Medical Imaging Graduates who wanted to excel their career in the field of Radiology. This diploma is to provide professional skill in the field of Radiology and students will do practical trainings in the affiliated hospitals.



Road MAP

Semester 1	Cr Hr	Semester 2	Cr Hr
Practical Ultrasound	2	Practical Magnetic resonance imaging (MRI).	2
Practical Vascular Ultrasound	2	Practical Fluoroscopy	2
Practical Medical imaging in Emergency Medicine	2	Practical Mammography	2
Practical Computed Tomography (CT)	2	Practical Interventional Radiology	2
Practical X-Rays	2	Practical in Nuclear Medicine	2

Program FACTS

Program Length

1 Year (2 Semesters)

Entry Requirements

Minimum 50 % 4 Years BS (Hons) in Medical Imaging Technology

Location

Raiwind Road Campus

Recognised BY

Higher Education Commission

Extended Diploma in MEDICAL IMAGING TECHNOLOGY(EDMIT)

INTRODUCTION

This diploma is designed especially for Medical Imaging Graduates who wanted to excel their career in the field of Radiology. This diploma is to provide professional skill in the field of Radiology and students will do practical trainings in the affiliated hospitals.



Road MAP

Semester 1	Cr Hr	Semester 2	Cr Hr	Semester 3	Cr Hr	Semester 4	Cr Hr
General Ultrasound	2	Magnetic resonance imaging (MRI).	2	Practical Ultrasound	2	Practical Magnetic resonance imaging (MRI).	2
Vascular Ultrasound	2	Fluoroscopy	2	Practical Vascular Ultrasound	2	Practical Fluoroscopy	2
Medical imaging in Emergencies	2	Mammography	2	Practical Medical imaging in Emergency Medicine	2	Practical Mammography	2
Computed Tomography (CT)	2	Interventional Radiology	2	Practical Computed Tomography (CT)	2	Practical Interventional Radiology	2
Conventional Radiology	2	Nuclear Medicine	2	Practical X-Rays	2	Practical in Nuclear Medicine	2



PhD Degrees

INTRODUCTION

This is 3-5 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

Program FACTS

Program Length
3-5 Years, Morning/Afternoon Session

Entry Requirements
M.Sc or equivalent

Location
Raiwind Road Campus

Recognised BY

Higher Education Commission



Doctor of MEDICAL ULTRASOUND TECHNOLOGY (PhD-MUT)

INTRODUCTION

This degree is designed especially for those students who want to excel their career in the field of Medical Diagnostic Ultrasound. This Degree will provide professional skill to them and students will be in a position to get better jobs and its best for teaching ultrasound as well at the same time.

Road MAP (SANDWICH PROGRAM)

SEMESTER 1(18 CME OF 1 MONTH)

Candidate will appear in the final exam of the course work and NTS Exam and remaining time he will attach with his own university with whom MOU will be signed by the UOL.

SEMESTER 2 TO 5 (DATA COLLECTION)

SEMESTER 6 (THESIS SUBMISSION AND FINAL EXAM)

Road MAP (REGULAR PROGRAM)

Semester 1	Cr Hr	Semester 2	Cr Hr	Semester 3 - 6 / 10
Biostatics & Research Methodology	3	Interventional Ultrasound	3	
Obstetrical & Gynaecological Ultrasound	1	Musculoskeletal Ultrasound	1	
Abdominal Ultrasound	1	Practical Basic-2	2	Research
Vascular Ultrasound	1	Practical Advance-2	2	
Ultrasound Physics & Instrumentation	1	Seminar	1	
Practical Basic-1	1			
Practical Advance-1	1			

Program FACTS

Program Length
3-4 years (6-8 Semesters)

Entry Requirements
Minimum MBBS with Masters/M.Phil in Ultrasound/M. Sc or MS

Location
Raiwind Road Campus

Recognised BY

Higher Education Commission

Doctor of MEDICAL IMAGING TECHNOLOGY (PhD-MIT)

INTRODUCTION

This degree is designed especially for those students who want to excel their career in the field of Medical Imaging Technology (Radiology Department). This Degree will provide professional skill to them and students will be in a position to get better jobs and its best for teaching ultrasound as well at the same time.

Road MAP (SANDWICH PROGRAM)

SEMESTER 1(18 CME OF 1 MONTH)

Candidate will appear in the final exam of the course work and NTS Exam and remaining time he will attach with his own university with whom MOU will be signed by the UOL.

SEMESTER 2 TO 5 (DATA COLLECTION)

SEMESTER 6 (THESIS SUBMISSION AND FINAL EXAM)

Road MAP (REGULAR PROGRAM)

Semester 1	Cr Hr	Semester 2	Cr Hr	Semester 3 - 6 / 10
Biostatics & Research Methodology	3	Angiography	2	
Radiology Physics & Instrumentation	1	Neuroradiology & ENT Radiology	2	
Mammography & Breast	1	Interventional Radiology	2	Research
Radiology & Emergency Medicine	1	Gastrointestinal Radiology	1	
Musculoskeletal Radiology	1	Genitourinary System Radiology	1	
Respiratory System Radiology	1	Neuclear Medicine	1	
Cardiovascular Radiology	1			

Program FACTS

Program Length
3-4 years (6-8 Semesters)

Entry Requirements
Minimum MBBS with Masters/M.Phil in Ultrasound or MS-MIT/DMRD/FCPS

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.

Program FACTS

Program Length
6 Months

Entry Requirements
Minimum 50 % FA / F. Sc, LHV, Nurses

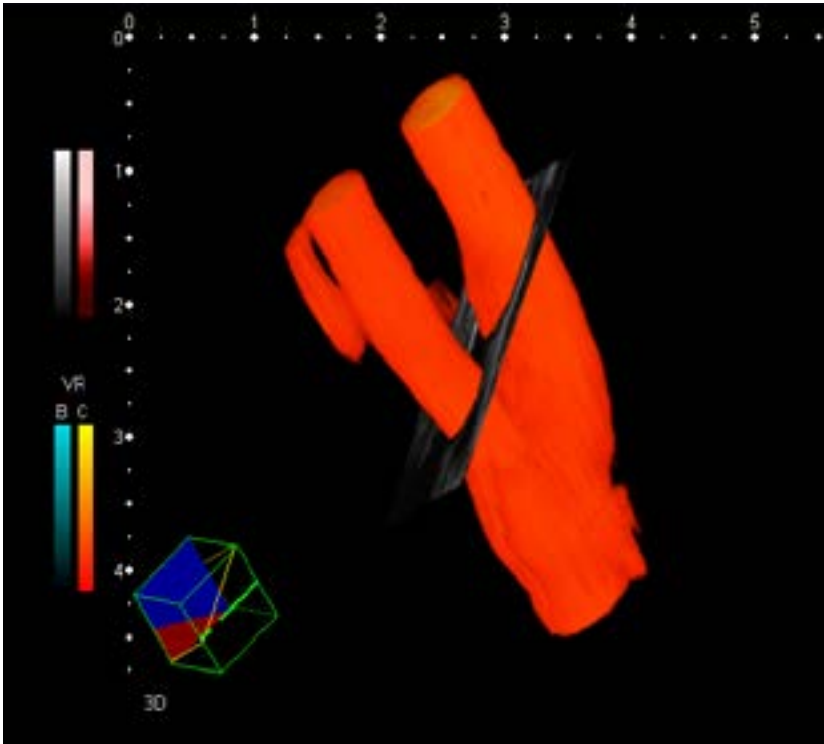
Location
Raiwind Road Campus

Recognised BY

Higher Education Commission

Road MAP

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

Program FACTS

Program Length
1 Year

Entry Requirements
Minimum 50 % FA/F. Sc, LHV, Nurses, DHMS

Location
Raiwind Road Campus

Recognised BY

Higher Education Commission

Road MAP

Semester 1	Cr Hr	Semester 2	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) RADIOLOGY RESEARCH SECTION (RRS)

INTRODUCTION

There are four major divisions in Medical Imaging (Radiological Sciences) Diagnostic Radiography, Ultrasound, Nuclear Medicine and Radiation Therapy.

Now a day's Medical Imaging realize heavily on computer controlled equipment's with of the image productions and processing emphasizing new technique i.e. digital image processing, picture archiving & communication system (PACS) etc.

In addition, the Medical Diagnostic Ultrasound is believed to a diagnostic tool which is replacing the stethoscope of physician regardless of the field, the physician has chosen as his profession. Due to diversity of Medical Sciences there are different tracks. Even then the physicians cannot cope with rapid advancements in the computerized technologies unless they chose the option of upgrading their knowledge with upgraded knowledge including clinical as well as diagnostic advances. Medical Imaging

(Radiological Sciences) especially Medical Diagnostic Ultrasound, CT and MRI Curriculum should be aligned with new technology and national or regional requirements. Radiology Research Section (RRS) has introduced Diploma in Medical Radiology (Diagnostic) DMRD.

Degree OFFERED

Diploma in Medical Radiology & Diagnostic (DMRD)-2 years

Recognised BY

Higher Education Commission
Pakistan Medical & Dental council

Degrees OFFERED

Post Graduate Diploma in Medical Diagnostic Ultrasound (PGDU)

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

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

M. Phil in Obstetrical & Gynecological Ultrasound (M. Phil- ObGyn)

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

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

PhD in Diagnostic Ultrasound

MD Radiology

PhD Radiology

Recognised BY

Higher Education Commission

OUR FACULTY

Prof. Dr. Muhammad Nawaz Anjum

Head of Department

MD (USA), Diplomat American Board of Radiology FCPS-Radiology.

Prof. Dr. Muhammad Abdul Rahim Khan

MBBS, DMRD(Pb)

Prof. Dr. Syed Amir Gilani

MBBS, DMRD (Pb), PhD- Ultrasound (Sudan), PhD- Ultrasound (Swiss)

Prof. Dr. Mukhtar Alam Ansari

MBBS (Pb), MD(Radiology)
PhD (Japan)

Dr. Muhammad Usman

Assistant Professor

MBBS (Pb), FCPS (Radiology),
FRCR (II-B)

Dr. Haroon Saeed

Assistant Professor

MBBS (Pb), FCPS (Radiology),
FRCR (II-B)

Local

Visiting Faculty

Prof. Dr. Umair Rasheed

Neuro-Radiologist

MBBS (Pb), DMRD(Pb), MCPS (Radiology), HOD-Radiology Department, General Hospital, Lhr

Dr. Shahzad Karim Bhatti

Assistant Professor

MBBS (Pb), DMRD (Pb)
FCPS (Radiology), Radiology Dept.

General Hospital, Lahore

Dr. Asdaq Kazi

Assistant Professor

MBBS (Pb), DMRD (Pb) Head of Radiology Department, Nawaz Sharif Social Security Hospital, Lahore

Dr. Fahim Chaudary

Assistant Professor

MBBS (Pb), DMRD (Pb) Nawaz Sharif Social Security Hospital, Lahore

Dr. Zahid Siddique

Assistant Professor

MBBS (Pb), DMRD (Pb) Nawaz Sharif Social Security Hospital, Lahore

Dr. Aliya Muzaffar

Assistant Professor

MBBS (Pb), DMRD (Pb) Nawaz Sharif Social Security Hospital, Lahore

Dr. Akber Ali Bhalli

Assistant Professor

MBBS (Pb), DMRD (Pb)
Nawaz Sharif Social Security Hospital, Lahore

Dr. Muhammed Amer

Assistant Professor

MBBS (Pb), DMRD (Pb)
Nawaz Sharif Social Security Hospital, Lahore

Dr. Muhammad Nafees

MBBS (Pb), DMRD(Sindh),
MCPS(Radiology)

Consultant Radiologist Karachi

Dr. Zahoor Ahmed

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

Dr. Syed Wadood Ahsan

MBBS (Pb) DRMRD (Punjab)
Consultant Radiologist, Ahsan Hospital

Dr. Fazeel-u-Zaman Alvi

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

International Visiting Faculty

Prof. Lubos Hrazdira

Professor of Orthopedics

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

Dr. Khawaja Iftikhar Ahmad

Consultant Radiologist

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

Prof. Guido C Robotti

Consultant Radiologist

M.D(Radiology), PhD(Swiss)
Regional Hospital Lugano,
Switzerland.

Prof. Dr. Dana Fodar

Consultant Rheumatologist

M.D(Rheumatology), PhD
Cluj Napoca University, Romania

Post Graduate Diploma in MEDICAL DIAGNOSTIC ULTRASOUND (PGDU)

INTRODUCTION

This program is introduced for the first time in Pakistan, keeping in view the need of a healthcare institute in Radiology Department. This course will provide and enable the professional doctors to cope with the rapid advancement in the field of Ultrasound.

Career PROSPECTS

This professional program is for such Physicians/ Doctors community who has their own clinics or private set up and they want to excel in the field of Ultrasound. This program will fulfill their requirement provide them the latest techniques in the field of Ultrasound worldwide. After completing this program, they will be able to scan their own private patients.

Program FACTS

Program Length
6 Months, 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

Road MAP

Course	Cr Hr
Ultrasound Physics & Instrumentation	4
Abdominal Ultrasound	3
Obstetrical Ultrasound	4
Gynaecological Ultrasound	3
Small parts Ultrasound	3



Diploma in MEDICAL RADIOLOGY & DIAGNOSTIC (DMRD)

INTRODUCTION

The aim of two years Diploma program in Medical Radiology is to equip medical graduates with relevant professional knowledge and skills to enable them to apply their acquired expertise at primary & secondary health care organizations & to provide necessary manpower in rapidly expanding fields of Radiology nationally & internationally in an attempt to bridge widening gap between demand & supply.

Career PROSPECTS

This degree is recognized from PM&DC and designed especially for Physicians only who wants to excel their career in the field of Radiology. This Degree will provide professional skill to them and Physicians will be in a position to get better jobs as a "Radiologist".

Program FACTS

Program Length
2 years (4 Semesters) 36 Credit Hours

Entry Requirements
Minimum MBBS or Equivalent (Registered PM&DC) with 1 year House Job in Radiology/ Medicine & Surgery
1 year work experience in Radiology Department in a PM&DC Recognized Institution

Location
Raiwind Road Campus

Recognised BY

HEC and PM&DC

Road MAP

SEMESTER 1	Cr Hr	SEMESTER 2	Cr Hr	SEMESTER 3	Cr Hr	SEMESTER 4	Cr Hr
Radiology Physics & Instrumentation	2	Cardiovascular Radiology	2	Musculoskeletal Ultrasound	1	Interventional Radiology	2
Applied Anatomy	1	Neuroradiology & ENT Radiology	1	Medical Ethics	1	Research/ Dissertation	1
Applied Pathology	1	Radiology in emergency medicine	1	Ultrasound in Fetal Medicine/ Gynaecological and Obstetrical USG	1		
Mammography & breast	1	Respiratory System Radiology	1	Research Methodology & Statistics.	2		
Basics of Ultrasound	1	Gastrointestinal Tract Radiology	1	Computed Tomography (CT)	1		
Color Doppler Ultrasound	1	Genitourinary System Radiology	1	Magnetic Resonance Imaging (MRI)	1		
General Radiology/ Digital Radiology	2	Musculoskeletal Radiology	2	Angiography	1		
				Nuclear Medicine	1		

M.Phil in GENERAL ULTRASOUND_(M. PHIL-GU)

INTRODUCTION

This two years program is a combination of clinical training & research modules ,the aim is to train the physicians in the field of medical diagnostic ultrasound which is one of the emerging modalities in medical sciences. Medical diagnostic ultrasound is indispensable in diagnosis of most of the physiological & pathological conditions in the body.

Career PROSPECTS

This program will prepare highly skilled ultrasound specialists to provide proper ultrasound experts nationally and internationally. This program deals with general ultrasound which is need of present and future of a good diagnostic set-up.

Program FACTS

Program Length
2 years (4 Semesters) 36 Credit Hours

Entry Requirements
Minimum MBBS or Equivalent qualification

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
Ultrasound Physics & Instrumentation	3	Applied Doppler	2	Research M. & Statistics.	1	RESEARCH	6
Abdominal Ultrasound	2	Vascular Ultrasound	3	RESEARCH	5		
Small Parts Ultrasound	2	Musculoskeletal Ultrasound	2				
General Ultrasound	2	Fetal Medicine Ultrasound	1				
Obstetrical Ultrasound	3	Advances in Ultrasound	2				
		3D & 4D Ultrasound	2				

M. Phil in VASCULAR ULTRASOUND_(M. PHIL-VU)

INTRODUCTION

This two years program is a combination of clinical training & research modules, the aim is to train the physicians in the field of medical diagnostic ultrasound which is one of the emerging modalities in medical sciences. Medical diagnostic ultrasound is indispensable in diagnosis of most of the physiological & pathological conditions in the body including the vascular system of the body.

Career PROSPECTS

This program will prepare highly skilled ultrasound specialists to provide proper ultrasound experts nationally and internationally. This program deals with ultrasound of vascular system which is needed for good treatment of vascular diseases.

Program FACTS

Program Length
2 years (4 Semesters) 36 Credit Hrs

Entry Requirements
Minimum MBBS or Equivalent qualification

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
Ultrasound Physics & Instrumentation	3	Peripheral Vessels & Neck Vessels	3	Research M. & Statistics.	1	RESEARCH	6
Abdominal Ultrasound	2	Doppler in Obstetrics & Gynecology	3	RESEARCH	5		
Small Parts Ultrasound	2	Abdominal Doppler	2				
General Ultrasound	2	Advances in Ultrasound	2				
Obstetrical Ultrasound	3	Color Doppler in small Parts & Musculoskeletal Ultrasound	2				

M.Phil in OBSTETRICAL & GYNECOLOGICAL ULTRASOUND (M. PHIL- OBGYN)

INTRODUCTION

This two years program is a combination of clinical training & research modules, the aim is to train the physicians in the field of medical diagnostic ultrasound which is one of the emerging modalities in medical sciences. Medical diagnostic ultrasound is indispensable in diagnosis of most of the physiological & pathological conditions in the body including the vascular system of the body.

Career PROSPECTS

This program will prepare highly skilled ultrasound specialists to provide proper ultrasound experts nationally and internationally. This program deals with ultrasound in Obstetrical & Gynecological systems.

Program FACTS

Program Length
2 years (4 Semesters) 36 Credit Hours

Entry Requirements
Minimum MBBS or Equivalent qualification

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
Ultrasound Physics & Instrumentation	3	First Trimester ultrasound	2	Research M. & Statistics.	1	RESEARCH	6
Abdominal Ultrasound	2	Second Trimester ultrasound	2	RESEARCH	5		
Small Parts Ultrasound	2	Advances Gynecological ultrasound	2				
Gynaecological Ultrasound	2	Advances Obstetrical ultrasound	2				
Obstetrical Ultrasound	3	Fetal Anomaly ultrasound	1				
		Fetal Medicine	1				
		Interventional procedures in ObGyn	2				

M. Phil in MUSCULOSKELETAL ULTRASOUND (M. PHIL- MSK)

INTRODUCTION

This two years program is a combination of clinical training & research modules, the aim is to train the physicians in the field of medical diagnostic ultrasound which is one of the emerging modalities in medical sciences. Medical diagnostic ultrasound is indispensable in diagnosis of most of the physiological & pathological conditions in the body including the vascular system of the body.

Career PROSPECTS

This program will prepare highly skilled ultrasound specialists to provide proper ultrasound experts nationally and internationally. This program deals with ultrasound of musculoskeletal system which is needed for good treatment of musculoskeletal diseases.

Program FACTS

Program Length
2 years (4 Semesters) 36 Credit Hours

Entry Requirements
Minimum MBBS or Equivalent qualification

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
Ultrasound Physics & Instrumentation	3	Upper limb Ultrasound	2	Research M. & Statistics.	1	RESEARCH	6
Abdominal Ultrasound	2	Lower limb Ultrasound	2	RESEARCH	5		
Small Parts Ultrasound	2	Soft tissue Ultrasound	2				
General Ultrasound	2	Miscellaneous indications	2				
Obstetrical Ultrasound	3	Intervention in Musculoskeletal Ultrasound	2				
		Dissertation Ethics Consenting	2				

M.Phil in FETAL MEDICINE ULTRASOUND

(M. PHIL-FM)

INTRODUCTION

This two years program is a combination of clinical training & research modules, the aim is to train the physicians in the field of medical diagnostic ultrasound which is one of the emerging modalities in medical sciences. Medical diagnostic ultrasound is indispensable in diagnosis of most of the physiological & pathological conditions in the body including the vascular system of the body.

Career PROSPECTS

This program will prepare highly skilled ultrasound specialists to provide proper ultrasound experts nationally and internationally. This program deals with ultrasound in fetal medicine.

Program FACTS

Program Length
2 years (4 Semesters) 36 Credit Hours

Entry Requirements
Minimum MBBS or Equivalent qualification

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
Ultrasound Physics & Instrumentation	3	Extra Fetal obst. Ultrasound	2	Research M. & Statistics	1	RESEARCH	6
Abdominal Ultrasound	2	First trimester Ultrasound	2	RESEARCH	5		
Small Parts Ultrasound	2	2nd & 3rd Trimester Ultrasound	2				
Gynaecological Ultrasound	2	Fetal Anomaly scanning	2				
Obstetrical Ultrasound	3	Advances in Fetal Ultrasound	1				
		Interventional procedures in Fetal medicine	1				

PhD in DIAGNOSTIC ULTRASOUND

INTRODUCTION

The aim of this 3-5 year doctorate program in medical diagnostic ultrasound is to enhance the research facilities by producing PhD scholars in one of the most emerging field of medical diagnostic ultrasound. The community, educational institutions and the nation can

is in need of real mentors and researchers with high competency standards in the field of Medical Diagnostic Ultrasound.

Career PROSPECTS

It will open a horizon of research and competency in this field of health sciences as we already have noticed in some fields of medicine especially in basic sciences.

Program FACTS

Program Length
3-4 years (6-8 Semesters)

Entry Requirements
Minimum MBBS with Masters/M. Phil in Ultrasound

Location
Raiwind Road Campus

Recognised BY
Higher Education Commission

Road MAP (SANDWICH PROGRAM)

SEMESTER 1(18 CME OF 1 MONTH)

Candidate will appear in the final exam of the course work and NTS Exam and remaining time he will attach with his own university with whom MOU will be signed by the UOL

SEMESTER 2 TO 5 (DATA COLLECTION)

SEMESTER 6 (THESIS SUBMISSION AND FINAL EXAM)

Road MAP (REGULAR PROGRAM)

SEMESTER 1	Cr Hr	SEMESTER 2	Cr Hr	SEMESTER 3 - 6 / 10
Biostatics & Research Methology	3	Vascular Ultrasound	2	Research
Ultrasound Physics & Instrumentation	1	Interventional Ultrasound	2	
Abdominal Ultrasound	2	Advances in Ultrasound	1	
Obstetrical & Gynaecological Ultrasound	2	Seminar	1	
Musculoskeletal Ultrasound	1	Practical	3	

MD RADIOLOGY

INTRODUCTION

The aim of this 5 year prestigious clinical degree program is to train the radiologists clinically under supervision of one of the best team of Radiologists in Pakistan.

Career PROSPECTS

Physicians having one year house can get clinical training for these five years in the hospital set-up. It will provide highly skilled radiologists nationally & internationally in an attempt to bridge widening gap between demand & supply.

Program FACTS

Program Length

5 Years (Annual System)
2 years Exemption for DMRD Degree Holders

Entry Requirements

Minimum MBBS, MD or Equivalent
1 Yr House Job (Reconised by PM&DC)

Location

Defense Road Campus

Recognised BY

Higher Education Commission

CURRICULUM/STATUTES & REGULATIONS -MD RADIOLOGY

Road MAP

Course Structure	Components	Examination
Part I	- Basic medical sciences - Anatomy, Physiology, Biochemistry, - Pathology, Pharmacology, Behavioral - Sciences and Biostatistics & Research - Methodology.	Part-I examination at the end of 1st year of MD Radiology program. • Written: Paper I: MCQs Paper II: SEQs
Part II	Fundamental Concepts in Internal Medicine: Training in clinical techniques of Internal Medicine with compulsory rotations for two years starting from the first day of enrollment	Part-II examination at the end of 2nd year of MD Radiology program. • Written: Papers 1 & 2: Problem-based questions in Internal Medicine • Oral & Practical/ Clinical Examination • OSCE • Clinical Examination (Long case, Short cases) • Log Book
Part III	Clinical component of Part III • Professional Education in Radiology Training in Radiology during 3rd, 4th and 5th years of MD program Three years of training with compulsory/ optional rotations in related fields Research component of Part III • Research and Thesis Writing: Research work/Thesis writing project must be completed and thesis be submitted before the end of training._____	Part-III examination in specialized components of Radiology at the end of 5th year of MD program • Written: Paper 1 & 2: Problem-based questions in the subject • Oral & Practical / Clinical Examination • OSCE • Clinical Examination (Long case, Short cases) • Log Book Part-III thesis examination with defense at the end of fifth (5th) year of MD Radiology program

PhD in RADIOLOGY

INTRODUCTION

The aim of this 3-5 year doctorate program in medical diagnostic radiology is to enhance the research facilities by producing PhD scholars in one of the most emerging but established modality of health sciences which is medical diagnostic radiology. The community, educational

institutions and the nation can smell the need of true mentors and researchers with high competency standards in the field of Radiology.

Career PROSPECTS

It will open a door to new era of research and competency in this field of health sciences as we see in some fields of medicine especially in basic sciences.

Road MAP

SEMESTER 1	Cr Hr	SEMESTER 2	Cr Hr	SEMESTER 3 - 6 /10
Radiology Physics & Instrumentation	3	Emergency Radiology	1	
Biostatistics & Research Methodology	3	Radiology; Principles and Practice of Clinical & Applied -Radiology	4	
General Radiology	3	Interventional-Radiology	2	Research
		Neuroradiology & ENT Radiology	1	
		Angiography	1	

Program FACTS

Program Length

5 Years (Annual System)

Entry Requirements

Minimum MBBS, MD or Equivalent

Location

Defense Road Campus

Recognised BY

Higher Education Commission

University Institute of **PUBLIC HEALTH** (UIPH)

Mission STATEMENT

Our vision is to become a Centre of excellence for teaching and research in Public Health.

We aim to accomplish a benchmark level through

- Specialized training and educational opportunities designed to address the evolving needs of the public health system.

- Achieving brilliance by integrating both academics and research with extraordinary practice opportunities.

- Promoting creative and innovative interdisciplinary research.

- Promoting collaborations and partnerships to address emerging public health problems.

- Improving the capacity of current public health professionals and infrastructure to respond to public health challenges.

INTRODUCTION

Public Health is the art and Science of preventing diseases, prolonging life and promoting health through the organized efforts of society.

The goal of UIPH is the biologic, physical and mental well-being of all members of society, focuses on the health of the individual patient.

Public Health emphasize the integration of diseases prevention and health promotion on one hand and treatment for acute illness and chronic care on the other with the aim of delivering quality health care services equitably and efficiently.

Degrees OFFERED

Master in Public Health (MPH) – 2 Years

M- Sc. in International Health (M.Sc-IH) – 2 Years

Master of Science in Medical Education (MME)– 2 Years

Certificate in Health Professions Education Programme (CHPE)

Recognised BY

Pakistan Medical & Dental Council,
Higher Education Commission

Master in **PUBLIC HEALTH** (MPH) 2 YEARS

INTRODUCTION

Master in Public Health (MPH) is a two year post-graduate, professional degree program comprising of 4-semesters. The first three semesters will be dedicated to course work and the last semester is assigned for Practicum (on Job assignment) and dissertation writing/research. It is focused on public health practice through professional training & research. MPH is an interdisciplinary degree designed to prepare students across a wide range of subject areas to explore the complexity Public Health concerns. The program is designed to understand in-depth knowledge of epidemiology,

biostatistics, health management and administration, environmental health, communicable and non-communicable diseases etc., and their application in analyzing the major national and international public health issues.

Career PROSPECTS

The predominant aim is to provide opportunity to the participants to acquire essential knowledge and skills, transform knowledge into evidence base practice through creative and innovative research, and to disseminate acquired knowledge to the public, health providers and policy makers.

Program FACTS

Program Length

2 Years (4 semesters) 72 Credit Hours

Entry Requirements

Minimum MBBS or BDS

Location

Raiwind Road Campus

Recognised BY

Pakistan Medical & Dental Council,
Higher Education Commission



Master of Science in INTERNATIONAL HEALTH (M.SC-IH) 2 YEARS

INTRODUCTION

Master in International Health (M.Sc-IH) is a two year post-graduate, professional degree program comprising of 4-semesters. The first three semesters will be rotation writing/research. M.Sc-IH is an interdisciplinary degree designed to prepare students across a wide range of subject areas to explore the complexity of International Health issues. The program is designed to understand in-depth knowledge of epidemiology, biomedicated to course work and the last semester is assigned for Practicum (on Job assignment) and dissestatistics, health policy

and planning, environmental health, communicable and non-communicable diseases etc., and their application in analyzing the major international health issues with more emphasis on developing countries particularly Pakistan.

Career PROSPECTS

The predominant aim is to provide opportunity to the participants to acquire essential knowledge and skills, transform knowledge into evidence base practice through creative and innovative research, and to disseminate acquired knowledge to the public, health providers and policy makers.

OUR FACULTY

Dr. Ahmad Azam Malik
Director/ Assistant Professor
MBBS – (PMC, UHS), M.S. (TQM) – Punjab,
PhD (Public Health) - Germany

Prof.Dr. Abdul Rasheed
Associate Professor
MBBS, M.Phil

Dr. Raja Sajjad Asghar
Assistant Professor
MBBS, MPH, PhD (Fellow)

Dr. Mohammad Bedar Bakht
Assistant Professor
MBBS, MPH (USA)

Local Visiting Faculty

Dr. Muhammad Naeem
Assistant Professor
MBBS, M.Phil

Program FACTS

Program Length
2 Years (4 semesters) 80 Credit Hours

Entry Requirements
Minimum MBBS or BDS

Location
Raiwind Road Campus

Recognised BY

Pakistan Medical & Dental Council,
Higher Education Commission

Prof. Dr.Ayesha Humayun
Professor
MBBS,FCPS, PhD (fellow)

Dr.Abdul Majeed
Associate Professor
MBBS,MCP, DHT,PhD

International Visiting Faculty

Dr.Marwan Abdulrhman Bakarman
Assistant Professor
MBBS, M.Phil
Community Medicine Department
College of Medicine
King Abdulaziz University
Jeddah Kingdom of Saudi Arabia

Master of Science in MEDICAL EDUCATION (MME)– 2 YEARS

INTRODUCTION

Those who require a degree understanding of educational theory, research and practice, either in the hope of assuming leadership roles in educational development and administration of medical institutions must do MME. Master of Science in Medical Education (MME) aims at producing high quality health professions educationists, capable of leading the rapidly changing educational scenario of Pakistani health professions educational system.

The programme strives to equip medical colleges, nursing colleges and other health professions education institutes with high quality educationists who can respond to the educational needs of these institutes.

The programme focuses on a variety of educational issues such as curriculum development, teaching and learning, assessment methods, professionalism, quality of education, leadership and management of educational institutes in a constructivist environment ton impact the educational skills to the candidates to make them educational leaders and agents of positive change. The programme primarily consists of face to face teaching and learning component and tutor

marked assignments. Face to face teaching is done in six contact sessions (each consisting of ten days), spread over 18 months. Candidates are required to do essential reading and work on their assignment during the interval between the contact sessions.

Career PROSPECTS

After graduation the candidates can work fulltime in the health professions education departments of the educational institutes and lead and manage the educational system in large number of educational institutes in the country. Candidates with educational qualification get preference in promotions.

Program FACTS

Program Length
2 Years

Entry Requirements
Minimum MBBS or BDS

Location
Raiwind Road Campus

Recognised BY

Pakistan Medical & Dental Council,
Higher Education Commission



Certificate in HEALTH PROFESSIONS EDUCATION PROGRAMME

INTRODUCTION

Certificate in Health Education (CHPE) programme has been specially designed to introduce the basic concepts of teaching and learning to health professions education teachers in Pakistan. CHPE programme provides an opportunity to HPE teachers to learn the basics of health professions education, that are required to make them effective teachers through introducing the basic concepts about teaching and learning, curriculum design and assessment. The programme is targeted to doctors, nurses and allied health professionals involved in teaching and learning in medical, dental, nursing and allied health institutes. The concept of the programme revolves around Harden's twelve roles of a medical teacher. The programme provides an opportunity to educators to develop a few skills required by a HPE teacher.

The idea of the programme is not new. The need for such programme has always been felt in different countries and various versions of such programmes are available in different countries. Association for Medical Educators in Europe (AMEE) regularly runs a three four days workshop with the

name of Essentials Skills in Medical Education (ESME).

CHPE aims at introducing the basics and applied concepts of medical education to the Pakistani HPE teachers and improving their skills to perform the basic functions of a medical in a HPE institute.

Learning OUTCOMES

By the end of CHPE course, the target audience should be able to achieve the following learning outcomes:

- Understanding trends, issues and challenges in HPE at the global, national and local levels.
- Understanding the significance and role of HPE in improving the quality of education.
- Recognize the changing role of a medical teacher beyond the boundaries of mere information provider.
- Develop skills as efficient and effective medical teachers.
- Explore different methods and strategies for teaching and learning in Pakistani medical education environment.
- Demonstrate basic communication skills pertinent to

Program FACTS

Program Length
8 days (64 hours)

Entry Requirements
Doctors (MBBS/BDS), Nurses & Allied health professionals involved in teaching

Location
Raiwind Road Campus

Recognised BY

Higher Education Commission

their roles as medical teacher.

- Perform alignment of curriculum development with teaching, learning and assessment.
- Identify his/her own professional development needs professionalize his/her practice as an educator and lifelong learner.

OUR FACULTY

Dr. Gohar Wajid

Assistant Prof. of Medical Education
MBBS, MSc (UK) MPH (Australia),
PhD in Medical Education (UK)
Education
University of Dammam, Saudi Arabia

Dr. Rahila Yasmin

Lecturer, Medical Education,
BDS, MSc Medical Education
(Maastricht)
Islamic International Medical College,
Pakistan

Dr. Mohamad Al Eraky

Lecturer, Medical Education
MBBS, MSc, Master in Medical
Education (Dundee, UK)
University of Dammam, Saudi Arabia

Dr. Andleeb Arshad

Lecturer, Medical Education
King Saud University.
Saudi Arabia
MBBS, MSc (UK)

Dr. Saima Chaudhry

BDS, PhD - Oral Pathology (Pb)
ProgrammeCoordinator

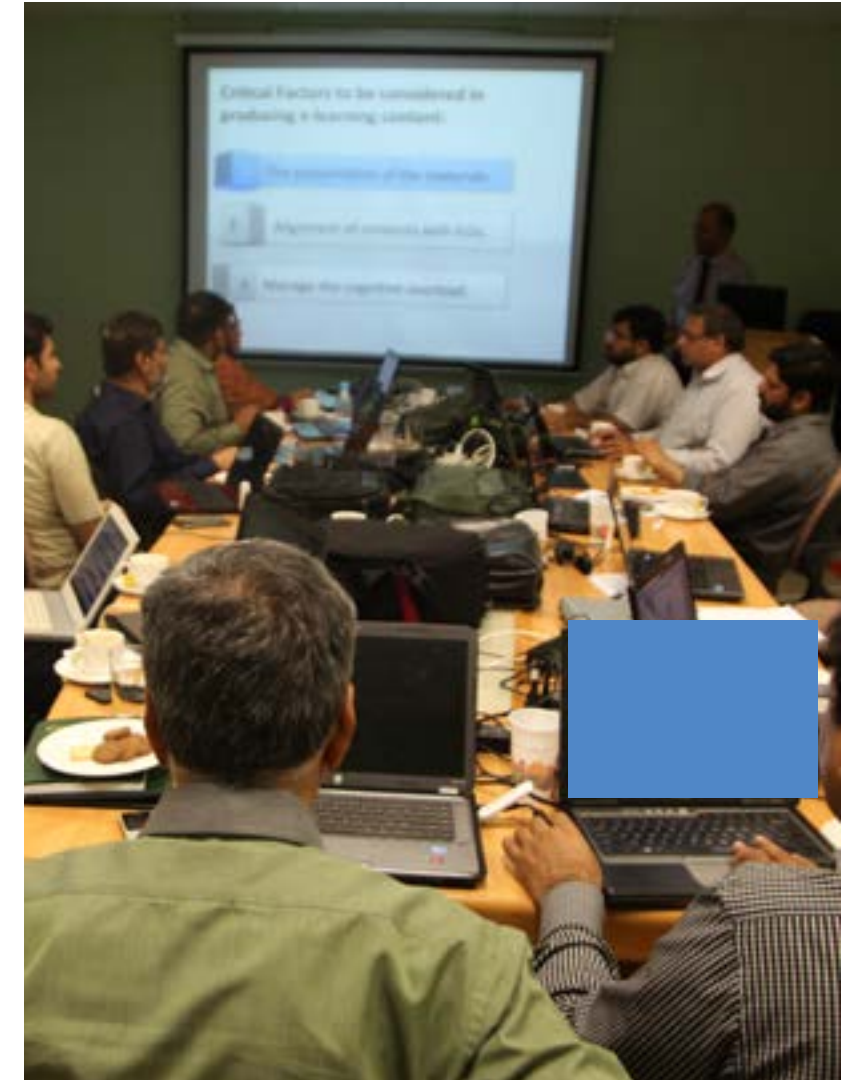
Local Visiting Faculty

Prof. Idrees Anwer

Prof. of Surgery
MBBS, FRCS, Dip Medical Education
(Pak.)
Shaikh Zayed Medical College
RYK, Pakistan

Dr. Mahmood Noor

Associate Prof. of Dermatology
MBBS, FCPS, Dip Medical Education
(Pak.) PGMI, Peshawar, Pakistan



University Institute of MEDICAL LABORATORY TECHNOLOGY (UIMLT)

Mission STATEMENT

The Vision of the Medical Laboratory technology department is to graduate competent and ethical clinical laboratory professionals equipped with knowledge and skills. At the Allied Health Sciences we produce professionals with advance knowledge, skill, attitude and clinical judgment required for competency as medical laboratory technologists and laboratory scientists.

This program will prepare the student to independently perform wide array of more specialized and complex clinical tests in Histopathology, Hematology, Microbiology, Immunology, Chemical Pathology, Cytogenetic and Molecular Genetics diagnostic laboratories.

INTRODUCTION

The field of Medical Laboratory Technology is of vital importance as it is the backbone of all the Medical Sciences. It is a professional education without which a proper diagnosis of diseases is not possible. This department offers four years BS (honors) Medical Laboratory Technology course. Medical Laboratory Technologists are professionals who have the technical expertise necessary to perform a wide variety of routine and specialized tests on patient specimens. MLTs in various specialties collect and process specimens, analyze results, and interpret findings. The results of these tests provide important information. In fact, up to 85 per cent of all clinical decisions are based on laboratory testing data. The knowledge and expertise of the MLT contributes to innovation in the prevention, diagnosis and treatment of diseases and medical conditions. The aim of this course is to produce quality technologists for medical labs.

Degrees OFFERED

Bachelor of Sciences –
Medical Lab Technology
(BS-MLT)



Bachelors of Sciences in MEDICAL LAB TECHNOLOGY (BS-MLT)

INTRODUCTION

MLTs in various specialties collect and process specimens, analyze results, and interpret findings. The results of these tests provide important information. In fact, up to 85 per cent of all clinical decisions are based on laboratory testing data.

in the prevention, diagnosis and treatment of diseases and medical conditions. The aim of this course is to produce health care professionals equipped with the advanced knowledge and skills to perform competently in all areas of medical diagnostic laboratory.

Elective SUBJECTS

- Immunohematology (Blood Banking)
- Clinical Microbiology
- Advanced Clinical Immunology
- Medical Genetics

Career PROSPECTS

The knowledge and expertise of the MLT contributes to innovation

Program FACTS

Program Length

4 years (8 Semesters) 136 Credit Hours

Entry Requirements

Minimum 50% F. Sc (Pre Medical)

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
Basic Anatomy I	3	Basic Anatomy II	3	Haematology I	6	Haematology II	6
Basic Physiology I	3	Basic Physiology II	3	Blood Banking I	6	Blood Banking II	6
Basic Biochemistry I	3	Basic Biochemistry II	3	Histopathology & Cytopathology I	6	Histopathology & Cytopathology II	6
General Pathology I	3	General Pathology II	3				
Islamic Studies / Ethics	2	Pakistan Studies	2				
Behavioural Sciences	2	Behavioural Sciences II	2				
Computer Education	2	Computer Education II	2				
SEMESTER 5	Cr Hr	SEMESTER 6	Cr Hr	SEMESTER 7	Cr Hr	SEMESTER 8	Cr Hr
Chemical Pathology I	6	Chemical Pathology II	6	Medical Statistics and Research Methods	7	Medical Statistics and Research Methods	7
Microbiology Including Parasitology I	6	Microbiology Including Parasitology II	6	Elective Subject	7		
Immunology and Serology I	6	Immunology and Serology II	6				

OUR FACULTY

Ms. Sameen Amjad

Lecturer

B. Sc MT , M.Sc.MT (Hematology)
M.Phil Microbiology .

Ms. Eiman Syed

Lecturer

B. Sc MT , M.Sc.MT (Microbiology)
M.Phil Microbiology .

Mr. Junaid Jafar

Lecturer

B. Sc MT , M.Sc.MT (Hematology)

Dr. Faiqa Ilyas

Lecturer

MBBS, PGD-Ultrasound

Dr. Hina Nasreen Malik

Lecturer

MBBS

Dr. Tauseef Qamar (General Pathology)

Lecturer

MBBS

Dr. Varda Hasan (Anatomy)

Lecturer

MBBS

Ms. Faiza Meer (Biochemistry, Computer Education)

Lecturer

M. Phil-Biochemistry

Ms. Khola Cheema (Islamic Studies/Pak.Studies)

Lecturer

M. Phil (Pb), MA (Pb)

VISITING FACULTY

Dr.Mazhar Mushtaq

Assistant Professor

MD (Hungary), M.Phil –Biochemistry,
PhD(Korea)
Shalimar Hospital Lahore



University Institute of DIET & NUTRITIONAL SCIENCES (UIDNS)

Mission STATEMENT

The Vision of the University Institute of Diet and Nutritional Sciences (UIDNS) offers a diverse range of challenges and opportunities which recognize the requirements of the 21st century. The main aim of the department is to produce manpower in the field of food science and human nutrition which will provide services in health departments, teaching and research, and to promote collaboration between national and international personnel in this specific field. The department's vision is to prepare manpower who will work cooperatively and professionally with other dietitians and nutritionists to develop innovative solutions to complex problems in the field of diet and nutritional sciences. It has also focused to provide a progressive and effective program that integrates theoretical and experiential learning to better prepare students for the challenges of the workplace; By consistent emphasis on experiential learning through laboratory studies, research-based learning, debate and presentations, designed to enhance the student's critical thinking, communication and collaboration, tackling of ill-

defined problems, development of individual learning objectives and self-evaluation of performance.

INTRODUCTION

The departmental faculty and management are continuously worked hard to take new steps for the betterment of the department in order to achieve the national and international standards of academic success. For this reason, currently a diploma program in the field of dietetics has been approved from PM&DC and it will launch in the year 2013. New faculty members have also been hired to enhance the quality of the department. The faculty also indulges in improving their knowledge and to play role in the practical advancement of nutrition field by doing efforts in publishing their research based work in the journals. The students have been encouraged on continuous basis to fully participate in the academic and extracurricular activities. The students show their full potential in day to day academic activities such as presentations, quiz activities, surprise tests, active participation during lectures.

Degrees OFFERED

Bachelor of Sciences –Diet and Nutritional Sciences
(BS-DNS) 4 years

Post Graduate Diploma in Dietetics (PGDD) 1 year



OUR FACULTY

Ms. Shahnai Basharat

Senior Lecturer

BSC (Food and Nutrition), MSC (Food and Nutrition),
M. Phil (Food and Nutrition), PGDD (Post Graduate Diploma in Dietetics)

Ms. Maria Aslam

Lecturer

BSC (Food and Nutrition), MSC (Food and Nutrition),
PGDD (Post Graduate Diploma in Dietetics)

Ms. Hafsa Kamran

Lecturer

BSC (Food and Nutrition), MSC (Food and Nutrition)

Dr. Varda Hasan

Lecturer (Anatomy)

MBBS

Amna Arif

Lecturer

MA (English)

Khola Cheema

Lecturer

M. Phil (Pb), MA (Pb)

Post Graduate Diploma in DIETETICS (PGDD) 1YEAR

INTRODUCTION

This diploma is designed especially for Health Professionals who wanted to excel their career in the field of Human Nutrition & Dietetics. This Diploma will provide professional skills to them and they will be in a position to get better

jobs in abroad and this degree is best for teaching purposes at the same time. These graduates will work as "Nutritionist" in the Food Companies, Gyms, Aerobic Centers, and Beauty Parlors etc. This degree is best suitable for females who are planning to enter in the field of dietetics.

Road MAP

SEMESTER 1	Cr Hr	SEMESTER 2	Cr Hr
Fundamentals of Human Nutrition	1	Drug Nutrient Interaction	1
Community Nutrition	5	Advanced Clinical Nutrition	2
Dietetics (I)	4	Dietetics (II)	4
Disease Prevention through Nutrition	2	Institutional Management	1
Nutrition throughout the Life Cycle	1	Applied human Nutrition	2
Hospital Based Internship	6	Hospital Based Internship	6

Program FACTS

Program Length

1 year (2 Semesters) 32 Credit Hourss

Entry Requirements

Minimum 50% F. Sc (Pre- Medical)

Location

Defense Road Campus

Recognised BY

Higher Education Commission

Bachelors of Sciences in
**DIET AND NUTRITIONAL
SCIENCES** (BS-DNS) 4 YEARS

INTRODUCTION

This program has been designed for professionals working under the umbrella of Diet and Nutritional Sciences who wish to enhance the practical skills for career advancement. Students will gain an ability to use advance research evidenced based knowledge in promoting a healthy lifestyle as well as prevention and treatment of diseases, and can work for the betterment of community health.

Career PROSPECTS

This enable students to avail the numerous career opportunities in clinical and community settings, work as consultants in public & private practice, in health care as a supervisor dietitian and nutritionists, in Food service field, Institutional Catering, Health Care field, in Research & Development and Social Welfare, in universities, specialist institutions, food product manufacturing companies and hospital, business industry, sports, food service & research, and nutritional policy making at national level.

Program FACTS

- Program Length**
4 years (8 Semesters) 136 Credit Hours
- Entry Requirements**
F. Sc (Pre- Medical) or Equivalent from a recognized Institute
- 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
Fundamentals of Human Nutrition	4	Advanced Human Nutrition: Carbohydrates, Lipids and Proteins	3	Nutrition and Life Cycle	3	Dietetics (I)	3
Principles of Food Sciences	3	Advanced Human Nutrition: Vitamins and Minerals	3	Disease Prevention through Nutrition	3	Public Health Nutrition	3
Basic Anatomy	4	Medical Biochemistry	3	Metabolic Endocrinology	3	Behavioural and Social Sciences	3
Cell Biology and Physiology (I)	3	Cell Biology and Physiology (II)	3	Food and Drug Laws	2	Meal Planning and Management	3
English Comprehension (I)	2	English Comprehension (II)	2	Fundamentals of Microbiology	3	Herbs, Food & Phytochemicals	3
Pakistan Studies	2	Islamic Studies	2	Epidemiology and Public Health	3	Drug-Nutrient Interactions	3



Road MAP

SEMESTER 5	Cr Hr	SEMESTER 6	Cr Hr	SEMESTER 7	Cr Hr	SEMESTER 8	Cr Hr
Dietetics (II)	3	Advanced Clinical Nutrition	3	Nutrition Education	3	Seminar	3
Public Health Nutrition (II)	3	Food Processing and Preservation	3	Nutritional Assessment and Menu Planning	4	Principles of Food Service	3
Statistics for Scientists	3	Nutritional Counselling and Diet Therapy	3	Nutraceuticals and Functional Foods	3	Global Nutritional Issue	3
Communication Skill	2	Nutrition Intervention Planning	3	Recent Advances in Human Nutrition	3	Controversies in Field of Nutrition	3
Proteomics and Nutrigenomics	3	Sports Nutrition	3	Computer Education and Nutritional Data Base	4	Technical Report Writing	3
Food Toxicology and Additives	3	Sociocultural Aspects of Food	3				

University Institute of PHYSICAL THERAPY (UIPT)

Mission STATEMENT

Our Vision is to establish a state-of-the-art teaching, clinical & research Division of Physical Therapy & Rehabilitation at THE UNIVERSITY OF LAHORE for basic & advanced activities/training along with quality undergraduate and postgraduate physiotherapy education and collaboration in line with current national & international higher standards.

INTRODUCTION

Physical therapy is an essential segment of modern health care system. It is a —science of healing and art of caring. It pertains to the clinical examination, evaluation, assessment, diagnosis and treatment of so many disorders including Musculoskeletal, Neurological, Pediatrics, Women's health, Integumentary, Geriatrics, Cardio-Vascular, Respiratory systems' functional disorders including symptoms of pain, edema, and physiological, structural and psychosomatic ailments etc. It deals with methods of treatment based on movement, manual therapy, physical agents, and therapeutics modalities to relieve the pain and other complications. Hence, Physical therapy covers basic parameters of healing sciences i.e.

preventive, promotive, diagnostic, rehabilitative, and curative.

University Institute of Physical Therapy (UIPT) is a newly established department under the umbrella of Faculty of Allied Health Sciences (FAHS). The date of birth of this department is 1st September, 2012. The launching milestone achieved by this department was the accommodation of so many migration students from other known universities. So it started its journey from four semesters and five classes with senior most batch of 4th semester. The total number of students of this department is 300. The total permanent faculty of this department consists of 18 people along with 7 Local & International visiting faculty so far. Just after start of three months, two new postgraduate programs consisting of M.Phil (Physical Therapy-Musculoskeletal) and PhD in Physical Therapy under the supervision of international supervisors also launched by this department. Future programs include MS and M.Phil programs in other specialties of Physical Therapy In-sha-Allah.

Degrees OFFERED

Doctor of Physical Therapy (DPT)

Master of Philosophy in Physical Therapy (Musculoskeletal)(M.Phil, PT- MSK)

Doctor of Philosophy in Physical Therapy (PhD- PT)

OUR FACULTY

Dr. Ashfaq Ahmed, PT
Head of Department / Assistant Professor
PhD, PT (Fellow, UOL), M.Phil (Gold Medalist) (KEMU),
Post Professional-DPT-1 (KEMU)
PGC (Khi), BSPT (Pb), MPPS (PAK),
MPPTA (Pak)
Certified by FSBPT (USA), NARIC (UK)

Dr. Asima Awan, PT
Senior Demonstrator
MSPT (Khi), BSPT (Khi)

Dr. Saman Saeed
Senior Demonstrator
MBBS (Sindh), M. Phil (Physiology)

Dr. Hassan Anjum Shahid, PT
Demonstrator
BSPT(Pb.), M.Phil (KEMU)

Dr. Ayela Eman
Demonstrator
MBBS (AIMC)

Dr. Sumaira Aziz Khan
Demonstrator
MBBS (Aimc), Fcps-1

Dr. Syeda Arooj Fatima, PT
Demonstrator
TDPT (KEMU), BSPT (KEMU)

Dr. Zahabia Manzoor
Demonstrator
MBBS (AIMC), FCPS-1

Dr. M. Waqar Afzal, PT
Demonstrator
TDPT (KEMU), BSPT (FMH-UHS)

Ms. Mehreen Fatima
Lecturer
M. Phil, M. Sc (Bio-stats)

Dr. M. Akmal Nawaz, PT
Demonstrator
TDPT (KEMU), BSPT (KEMU)

Ms. Amna Arif
Lecturer
MA (English)

Dr. Huma Ijaz
Demonstrator
BDS (D Mont)

Ms. Khola Cheema
Lecturer
M.Phil (Pb), MA (Pb)

Dr. Waqas Qarshi
Demonstrator
MBBS (Pb.), M. Phil (Physiology)

Dr. Halima Shoukat, PT
Demonstrator
BSPT(Pb.), tDPT(UHS)

Dr. Farooq Islam, PT
Demonstrator
BSPT(Khi), tDPT(KEMU)

Dr. Filza Shoukat, PT
Demonstrator
BSPT(Pb.), tDPT(KEMU)

Local Visiting Faculty

Prof. Dr. Tuqayya
Ex HOD Anatomy Department
KEMU & UOL

Prof. Dr. Syed Amir Gilani
Professor of Radiology
MBBS, DMRD, PhD(Radiology)
PhD(Ultrasound)

Prof. Dr. Brig. M.H Jafferi
Orthopedic Surgeon
Professor of Radiology
MBBS, DMRD, PhD(Radiology)
PhD(Ultrasound)

Dr. Farida Ali, PT
Assistant Professor Physical Therapy (Adjunct)
BSPT(Pb), tDPT (KEMU), MPH (UOL)
HOD Physical Therapy, PESSI, Lahore

Dr. Omer Saeed
Assistant Professor (Adjunct)
PhD Biochemistry(Fellow-UOL),
M.Phil, MBBS

International Visiting Faculty

Prof. Dr. Mohseni Bandpei, PT
PhD-PT (UK), M.Sc.PT(UK), B.Sc.
PT(Iran) HOD Physical Therapy,
USWRS, Iran

Dr. Mohammad Hossein Karimi, PT
Associate Professor
PhD, PT (Canada), M.Sc., PT (Iran),
B.Sc., PT (Iran)
HOD Physical Therapy, University
of Sharjah, UAE

Doctor of PHYSICAL THERAPY (DPT)

INTRODUCTION

This degree is designed especially for those students who want to excel their career in the field of Physical Therapy. They will be Called “Physiotherapist” and will add “Doctor” as Prefix in their names and “Physiotherapist” as Suffix in their names. This Degree will provide professional skill to them and they will be in a position to get better jobs as a “Physiotherapist” in health settings. Physiotherapists can treat a wide range of disorders,

they are highly in demand today making career physiotherapy very attractive. Currently there is a lot of demand for physiotherapists in Pakistan as well as in USA, Canada, UK, Australia and in South Asia etc. It is estimated that one physiotherapist is required per 10,000 people. But the total number of physiotherapy professionals in Pakistan is only in hundreds.

Program FACTS

Program Length

5 years (10 Semesters) 172 Credit Hrs

Entry Requirements

Minimum 50% F. Sc. (Pre- Medical)

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	SEMESTER 5	Cr Hr
Anatomy (I)	4	Anatomy (II)	4	English III (Technical Writing & Presentation Skills)	2	Anatomy IV	3	Pathology & Microbiology I	2
Physiology (I)	3	Physiology (II)	3	Introduction to Computer	3	Biomechanics & Ergonomics II	3	Pharmacology I	3
Kinesiology (I)	3	Kinesiology (II)	3	Anatomy III	3	Behavioural Sciences (Psychiatry & Psychology)	3	Physical Agents & Electrotherapy I	3
English I (Functional English)	2	English II (Communication Skills)	2	Physiology III	3	Biochemistry & Genetics II	2	Therapeutic Exercises & Techniques	3
Pakistan Studies	2	Islamic Studies / Ethics	2	Biomechanics & Ergonomics I	3	Exercise Physiology	3	Sociology	2
Bio-Statistics I / University Optional	3	Bio-Statistics II / University Optional	3	Biochemistry & Genetics I	2	Medical Physics	3	Health & Wellness	2
								Supervised Clinical Practice I	3



SEMESTER 6	Cr Hr	SEMESTER 7	Cr Hr	SEMESTER 8	Cr Hr	SEMESTER 9	Cr Hr	SEMESTER 10	Cr Hr
Pathology & Microbiology II	3	Medicine I	3	Medicine II	3	Cardiopulmonary Physical Therapy	3	Obstetrics & Gynaecological Physical Therapy	2
Pharmacology II	2	Surgery I	3	Surgery II	3	Emergency Procedures & Primary Care in Physical Therapy	2	Paediatric Physical Therapy	2
Physical Agents & Electrotherapy II	3	Radiology & Diagnostic Imaging	3	Neurological Physical Therapy	3	Clinical Decision Making & Differential Diagnosis	3	Gerontology & Geriatric Physical Therapy	2
Manual Therapy	3	Musculoskeletal Physical Therapy	3	Evidence Bases Practice	3	Scientific Inquiry & Research Methodology	3	Sports Physical Therapy	2
Technical Methodology & Community Medicine	3	Human Growth, Development & Community Based Rehabilitation	2	Prosthetics & Orthotics	2	Professional Practice (Law, Ethics, Administration)	2	Supervised Clinical Practice VI	4
Supervised Clinical Practice II	3	Supervised Clinical Practice III	3	Supervised Clinical Practice IV	3	Integumentary Physical Therapy	2	Research Project	6
						Supervised Clinical Practice V	3		

Master of Philosophy in PHYSICAL THERAPY (MUSCULO-SKELETAL) (M.PHIL,PT-MSK)

INTRODUCTION

This degree is designed especially for those DPT graduates only who want to excel their career in the field of Physiotherapy education and teaching. This Degree will provide professional skills of teaching and research and M.Phil (MSK-PT) graduates will be in a position to get better jobs in rapidly growing and developing physical therapy institutions.



Program FACTS

Program Length
2 years (4 Semesters) 48 Credit Hours

Entry Requirements
• 5 Years DPT or BS Honors degree (or minimum 16 years of education) recognized by HEC
• GAT/NTS-General Test –Minimum passing marks 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
Basic medical & physical therapy sciences	4	Musculoskeletal disorders	3	Research / thesis	6	Research / thesis	6
Documentation in physical therapy	3	Musculoskeletal assessments	3				
Clinical reasoning and clinical decision making	3	Physical agents in rehabilitation	3				
Differential diagnosis and evidence based practice	3	Exercise rehabilitations	3				
Applied biomechanics and ergonomics	3	Plan of care and outcome measures in physical therapy	3				
Teaching For Physical Therapists	2	Medical informatics and research methodology	3				

Doctor of Philosophy in PHYSICAL THERAPY (PhD-PT)

INTRODUCTION

This degree is designed especially for M.Phil Physical Therapy graduates only who want to excel their career in the field of Physiotherapy as a specialized educationist.

SEMESTER 1

It includes 6 Core Modules Total of 18 Credit hours which will be taught in modular pattern by Local & international renowned PhD Scholars.

SEMESTER 2 TO 10

Second component encompasses all steps after approval of synopsis by UOL-PhD committee to the submission of thesis and its defense. Semester 2 to 6 (Field work, Data Collection and Analysis) Semester 6 to 10(Thesis Submission and Final Exam) Students will be encouraged and are expected to participate in national and/or international conferences, seminars, lectures and scientific peer reviewed publication process.

PROPOSED PhD COMMITTEE

It will be comprised of all module in-charges and assigned supervisors.

Program FACTS

Program Length
3-5 years (6- 10 Semesters) 48 Credit Hours

Entry Requirements
• M. Phil in Physical Therapy (M.Phil-PT) / MS-Physical Therapy (MS-PT) from HEC recognized university with $\geq$ CGPA 3.00.
• The candidates should specify their proposed research topic and its description along with the admission form (Not more than 7 pages).

Location
Defence Road Campus

Recognised BY
HEC

SEMESTER 1: (16 Weeks, 18 contact hours per week = 18 credit Hour)

Road MAP

Module No	911	912	913	914	915	916
Credits	3	3	3	3	3	3
Duration	3 weeks	3 weeks	2 weeks	3 weeks	2 weeks	3 weeks
Title of Module	Advanced Biostatistics & Research Methodology	Genetics And Molecular Biology Of Muscle Adaptation	Science,Theory And Clinical Application In Orthopaedic Physical Therapy	Diagnostic Imaging In Rehabilitation	Sports Traumatology And Rehabilitation	Public Health And Physical Therapy

NOTE: At the end of 1st Semester, there will be comprehensive examination and approval & submission of Synopsis.

Faculty of
**MANAGEMENT
SCIENCES**



**LAHORE
BUSINESS
SCHOOL**



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 soft skills which enable them to

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, be creative, innovate, manage

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.

Degrees OFFERED

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

Bachelor of Business Admin
(BBA-Hons)

Master of Business Admin.
(MBA 3.5 Yr)

Master of Business Admin.
(MBA 1.5 Yr)

Degrees OFFERED

Master of Business Admin.
(MBA 2 Yr)

Master of Business Admin
(MBA Executive) - Evening

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

Ph.D in Management - Evening



OUR FACULTY

Dr. Naheed Sultana

Dean, Faculty of Management Sciences

Post Doctorate (ESSEC, France)
PhD Economics (The University of Lahore)

Prof. Kashif Ud Din Khan

HoD, Lahore Business School

M. Phil Management Sciences UOL
MBA (Hamdard University, Karachi)
Lead Auditor QMS (IQCS Singapore)

Dr. Omer Farooq

Assistant Professor

PhD Business Strategy (University Paul Cézanne, France)
MS Management Research (University IAE d'Aix en Provence, France)

Dr. Mariam Farooq

Assistant Professor

PhD Org. Behavior and HRM (University Paul Cézanne, France)
MS Management Sciences (University IAE d'Aix en Provence, France)

Dr. M. Munir Butt

Assistant Professor

PhD Mathematics (University of Graz, Austria)
M. Phil Mathematics (GC University, Lahore)

Mr. Awais Raoof

Assistant Professor

MS Finance (London Business

School, UK)

MBA (Quaid-e-Azam University)

Mr. Hammad Ashraf

HoD Graduate Programs/

Assistant Professor

M.COM Marketing (University Of New South Wales Sydney, Australia)

Mr. M Atif Rana

HoD Student Affairs/Asst.

Professor

M. Phil. Management Sciences
MBA (The University of Lahore)

Mr. Imran Afzal Khan

Assistant Professor

MA (Economics), University of the Punjab, Lahore

Ms. Aqsa Akbar

Assistant Professor

M. Phil. Management Sciences (COMSATS, Lahore)
MBA (IBA, University of Punjab)

Mr. Ramiz Ur Rehman

Assistant Professor

M. Phil Management Sciences
MBA (The University of Lahore)

Mr. Akram Naseem

Assistant Professor

M. Phil Statistics (NCBA & E)
MSc Statistics, (University of Punjab)

Mr. Aasim N. Gill

Assistant Professor

M. Phil Management (The University of Lahore)
MBA (The University of Lahore)

Mr. Qadir Ibrahim

Assistant Professor/ Admin

Manager

M. Phil Management (The University of Lahore)
MBA (NUML, Islamabad)
LLB (University of the Punjab)

Mr. S. Atif Ali

Assistant Professor

M. Phil (University of Central Punjab)
M. COM (Hailey College of Commerce, PU)

Mr. Yasir Hassan

Assistant Professor

M.Phil Statistics (NCBA&E)

Mr. Ata Ul Haq

Asst. Professor

M. Phil Statistics, G. C. University Lahore.

Mr. Amir Razi

Assistant Professor

M. Phil Statistics (NCBA&E)
MSc Statistics (University of Punjab)

Mr. M. Jawad A. K. Tareen

Assistant Professor

MS (Entrepreneurship & SME Mgmt) GC University, Lahore

Mr. Asim Khan Sabri

Assistant Professor

M. Phil Management Sciences (The University of Lahore)
MBA (PCBA, University of Central Punjab)

Ms. Mehar Afroz

Lecturer

MSc Economics & Finance (Durham Business School (UK)

Mr. Mudassar Hasan

Lecturer

MBA (Quaid-e-Azam University, Islamabad)

Syed Hassan Naqvi

Lecturer

MA English Language (NUML, Islamabad)

Mr. M. Yasir Rafique

Lecturer

M.Phil, Statistics (Govt. College University, Lahore)

Mr. M. Moazam Raoof

Lecturer

MBA (Marketing & HR) National University FAST, Lahore.

Mr. M. Talal Khalid

Lecturer

MBA (General Management) Lahore University of Management Sciences

Mr. Waqar-ul-Qayyum

Lecturer

MBA (Marketing) (University of Central Punjab, Lahore)

Mr. M. Hassan Rashid

Lecturer

MBA (Marketing) (University of Central Punjab, Lahore)

Mr. Nabeel Shaukat Ali

Lecturer

MBA (Banking & Finance) (Lahore School of Economics)

Mr. Muhammad Ishfaq Ahmed

Lecturer

M. Phil Management Sciences (The University of Lahore)

Mr. Saleem Anjum

Lecturer

MBA (Finance & Marketing (Govt. College University, Lahore)

Ms. Hafsa Farooq Maan

Lecturer

Msc Marketing University of Sidney, Australia

Mr. Rizwan Ali

Lecturer

M. Phil Management Sciences
MBA Finance (The University of Lahore)

Mr. Sarmad Irfan

Lecturer

MBA Quality Management (University of Leicester, UK)

Ms. Samra Hussain

Lecturer

MA (Central Queensland University, Melbourne, Australia)
MBA Marketing (University of Central Punjab)

Mr. Zulfikar Moeen

Lecturer

MSc. (University of Gloucestershire, UK)
MBA (Heriot Watt University, Edinburgh Business School)

Mr. Awais Ahmad

Lecturer

MBA (Finance) (University of Central Punjab, Lahore)

Mr. Awais Mushtaq

Lecturer

MSc Finance & Investment (Durham Business School (UK)

Ms. Shafaq Naeem

Lecturer

MBA, Marketing (GC University, Lahore)

Mr. Farooq Tariq Butt

Lecturer

MBA, HRM (University of Central Punjab, Lahore)

Ms. Izza Rehman

Lecturer
M. Phil (Business Administration)
Kinnaird College for Women
Lahore.

Mr. Zaigham Abbas Khan

Lecturer
MSc. (Cardiff University, UK)
BSc. (London School of Economics, UK)

Ms. Madiha Awais

Lecturer/Placement Officer
MBA (HRM)
(The University of Lahore)

Ms. Fozia Ahsan Rao

Lecturer
MA, Development Journalism
(University of the Punjab)
MA, English (University of the Punjab)

Ms. Shazia Gulzar

Lecturer
M. Phil. (Psychology), GC
University, Lahore
M.Sc. (Psychology), GC University,
Lahore

Ms. Aisha Kashif

Lecturer
MA English, F.G. College,
Rawalpindi

Ms. Qaran Aziz

Lecturer
MBA Marketing, (G. C. University,
Lahore)

Ms. Naila Saeed

Lecturer
MS (Sociology) University of
Punjab, Lahore.

Ms. Farah Munir

Research Associate
BBA (Hons) The University of
Lahore

Mr. Ali Farooq

Research Associate
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.

Program 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

Total Credit Hours : 30

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.

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

Program 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

Road MAP

Semester 1	Cr Hr	Semester 2	Cr Hr	Semester 3	Cr Hr	Semester 4	Cr Hr
Accounting I	3	Accounting II	3	Cost Accounting	3	Business Finance I	3
English I	3	Micro Economics	3	Oral Communication	3	Human Resource Management	3
Mathematics	3	Principles of Management	3	Macro Economics	3	Inferential Statistics	3
Business Computing	3	English II	3	Principles of Marketing	3	Sociology	3
Psychology	3	Statistics	3	Calculus	3	Marketing Research	3
Pak Studies	3	Islamic Studies	3	Management Information System	3	Business Communication	3
						Internship	6

Semester 5	Cr Hr	Semester 6	Cr Hr	Semester 7	Cr Hr	Semester 8	Cr Hr
Operations Management	3	Entrepreneurship	3	International Relations	3	Dissertation/ Project	8
Consumer Behavior	3	Strategic Management	3	Business Policy	3		
Sale Management	3	Business Research Methods	3	Elective I	6		
Business Finance II	3	Financial Management	3	Elective II	6		
Pak Economy	3	Business Law and Taxation	3	Elective III	6		
Environmental Science	3	Business Ethics	3	Elective IV	6		

Master of BUSINESS ADMINISTRATION (MBA 3.5Yr)

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.

Program FACTS

Program Length

Full-time, 3.5 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	Semester 7	Cr Hr
Business Policy and Strategy	4	Elective II	5	Dissertation	8
Development Economics	4	Elective III	5		
Elective I	5	Elective IV	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.

Program 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 Business	3	Dissertation / Business Plan	8
Financial Management	3	Entrepreneurship & Business Planning	3		
Leadership & Change Management	3	Corporate Finance	3		
Applied Macro Economics	3	Elective I	5		
International Marketing	3	Elective II	5		



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.

Program 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	Elective III	4
Mathematics	4	Principles of Management	4	Business Research Methods	4	Elective IV	4
Principles of Accounting	4	Business Finance	4	Business Law and Taxation	4	Dissertation	8
Statistics	4	Principles of Marketing	4	Elective I	4		
				Elective II	4		



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
- Sales Management
- Export Marketing

Program FACTS

Program Length

Full-Time 2-Years Evening

Entry Requirements

At least 4 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	Elective II	4
Organizational Management	4	Human Resource Management	4	Entrepreneurship and SME Growth	4	Elective III	4
Managerial Economics	4	Marketing	4	Strategic Business Planning	4	Elective IV	4
Accounting	4	Research Methods	4	Business Law and Taxation	4	Dissertation / Business Plan	4
Quantitative Technique in Management	4	Cost Accounting	4	Elective I	4		



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

Program 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 60%.

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
Seminar in Applied Economics	4	Current Research in Area of Study	4	Research Thesis I	4	Research Thesis II	4
Research Methods	4	Elective I	4				
Statistical Inference & Data Analysis	4	Elective II	4				
Management Theory & Application	4	Elective III	4				



Ph.D in MANAGEMENT (3 YEARS)

INTRODUCTION

LBS PhD in Management program concentrates on defining and preparing professionals for future management thinking. The research degree focuses on developing skills and resourcefulness to generate concepts and ideas for new and emerging challenges. The research degree offers outstanding students an opportunity to make a significant and lasting contribution to the field of management research. The program is challenging and opens the door to intellectual fulfillment and exciting career opportunities in research and teaching. PhD students are expected to meet the challenges of research and will work directly with distinguished faculty members, and become part of a vibrant, academic community that is committed to creating new business management knowledge. Doctoral students will be engaged in serious research with faculty after completion of course work and will be required to publish articles in approved academic journals.

The research degree requires course work of 24 credit hours, followed by a comprehensive examination. The first year will be devoted to course work,

presented in the form of a series of weekly seminars. On successful completion of comprehensive exam after year one, candidates will be allowed to submit research proposal for thesis of 12 credit hours. Doctoral candidates will be required to publish at least two research papers in an HEC approved journal.

Career PROSPECTS

PhD in Management is focused on developing research skills as well as in depth knowledge and practice in the management field. The focus of PhD program is on fundamental and applied research in management and organizations. Participants will be educated in academic writing skills, literature review, methodology and scientific theories. PhD education and research are aimed at providing an innovative contribution to changing organizational responsibilities in the emerging economic environment.

For admission in PhD program. Applicants are also required to appear in LBS admission test for admission in PhD program.

Program FACTS

- Program Length**
Full-Time 3-Years Evening
- Entry Requirements**
Applicants with M.Phil/MS degree with 18 years of education in business administration / management sciences / marketing / management / quality management / economics / accounting / statistics from a chartered university, with a minimum of 1st division or 3.0 CGPA, and NTS GRE subject test with 60% marks, NTS GRE test must be cleared before applying
- Location**
Defence Road Campus

Recognised BY

Higher Education Commission

Road MAP

Semester 1	Cr Hr	Semester 2	Cr Hr
Qualitative and Quantitative Methods in Research	4	PSP8015 Contemporary Social Psychology	4
Applied Topics in Economics Research	4	POS8015 Seminar in Organizational Strategy	4
Organization Theory	4	PDA8012 Contemporary Topics in Data Analysis	4
Year 2 & 3	Cr Hr		
Dissertation / Thesis	12		



Faculty of
**ARTS AND
ARCHITECTURE**



**SCHOOL OF
CREATIVE ARTS**



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 field there is also the need of 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.

Degrees 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

Syed Shamshir Haider

Senior Lecturer/ Academic Coordinator

M.A. Urdu Literature
GCU, Lahore

Farhan Maqsood

Asst. Professor

Master of Arts in Film Making
University of Kingston UK

Amjad Islam Amjad

Professor

Sitara-e-Imtiaz by Govt of Pakistan
Pride of Performance
MA Urdu
Punjab University, Lahore

Raja Mehtab Ali

Lecturer / Course coordinator Media communication

Master in political Sciences
Univeristy of Punjab

Asad M. Naeem

Lecturer

Masters of Arts in Multimedia
National College of Arts, Lahore

Waqas Malik

Lecturer

BCS (Hons)
University of Lahore

Muhammad Aqib Khan

Lecturer

Bs (Hons) in Mass communication
FC College & Chartered University

Ahmed Aqeel Ruby

Professor

Tangha-e-Imtiaz by Govt of
Pakistan
Pride of Performance
MA Urdu
Punjab University, Lahore

VISITING FACULTY

Ali Aneeq Syed

M.Phil (Media Studies)
University of Punjab
Video Production Diploma, NCA

Umar Hameed

Post Graduate Certificate in
Media Studies (Sheffield Hallam
University England)
M.A in Entrepreneurial Studies
in developing Businesses around
digital technology (University of
Huddersfield England)

Junaid Saleem Babri

Bachelors in Economics and
Management, Universty of London
Diploma in Economics
London School of Economics

Sohail Azad

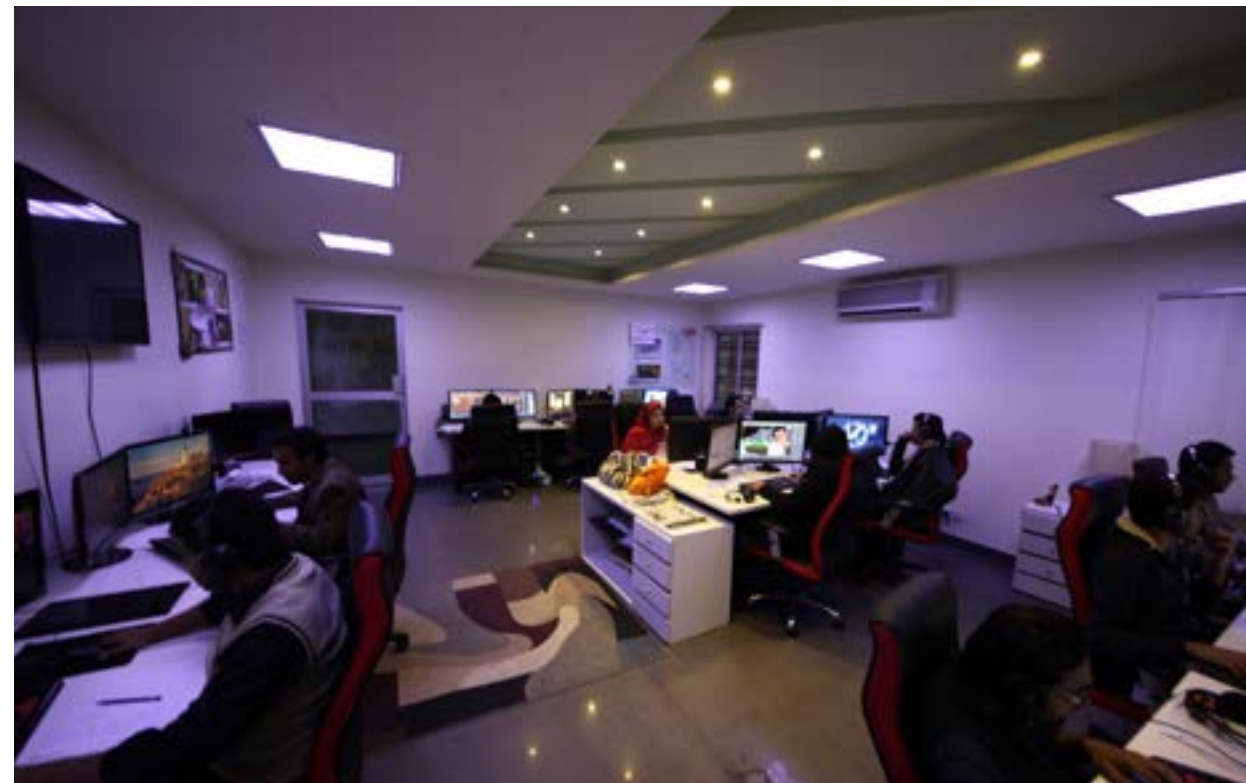
Bachelors of Film & TV
National College of Arts

Daniyal Rashid

BA (Hons) in Theater, Film &
Television, BNU, Lahore

Khalid Javed Minhas

Master in Political Science
Islamia University Bahawalpur



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 exceeding in the fields of print, television, radio and online journalism, corporate communications, media theory, media regulation and public policy, and media and public relations.

Program 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	Introduction to Psychology	2
Introduction to Media	3	Readings in Urdu Literature	3	Pakistan Studies	2	Introduction to Sociology	2
Introduction to Television	3	Readings in English Literature	3	Political Science	2	Islamic Studies	2
Introduction to Audio/Video Technologies I	3	Introduction to Audio/Video Technologies II	3	Philosophy	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
				South Asian Cinema	3	Introduction to New Media	3

Semester 5	Cr Hr	Semester 6	Cr Hr	Semester 7	Cr Hr	Semester 8	Cr Hr
Media Law & Ethics	3	Advertising and Promotion	3	Research Methodologies	3	Major Production Sessions II (studio)	6
Broadcast media	3	News Reporting II	3	Major Production Sessions I (studio)	6	Thesis/Dissertation II (studio)	6
Documentary I	3	Documentary II	3	Thesis/Dissertation I (studio)	6		
News Reporting I	3	News and Current Affairs Production	3	Video Editing	3		
Media & Audience	3	News Editing	3				
News & Current Affairs	3	Radio Broadcasting	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.

Program 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	Introduction to Psychology	2
Introduction to Media	3	Readings in Urdu Literature	3	Pakistan Studies	2	Introduction to Sociology	2
Introduction to Television	3	Readings in English Literature	3	Political Science	2	Islamic Studies	2
Introduction to Audio/Video Technologies I	3	Introduction to Audio/Video Technologies II	3	Philosophy	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
				South Asian Cinema	3	Introduction to New Media	3



Semester 5	Cr Hr	Semester 6	Cr Hr	Semester 7	Cr Hr	Semester 8	Cr Hr
Sound	3	Advertising and Promotion	3	Research Methodologies	3	Major Production Sessions II (studio)	6
Direction I	3	2D/3D Graphics	3	Major Production Sessions I (studio)	6	Thesis/Dissertation II (studio)	6
Cinematography I	3	Cinematography II	3	Thesis/Dissertation I (studio)	6		
Editing I	3	Editing II	3	Production Design	3		
Documentary I	3	Fiction Film	3				
Screen Writing	3	Direction II	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 internationals 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 is bringing 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 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
**LANGUAGES AND
LITERATURE**

**ENGLISH
LANGUAGE
AND
LITERATURE**



Department of **ENGLISH LANGUAGE AND LITERATURE**

Faculty of Languages and Literature

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 with the students. We also try

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

Degrees of Master in English language & English Literature are Considered as stepping stones and a Boon in taking PMS, CSS and other competitive exams. This Department is run by a senior DMG officer under whose guidance students are prepared by providing proper approach and strategies, for these deciding factors and turning points of the bright careers of their dreams.

Degrees of Master in English Language and English Literature are considered as stepping stones and a boon for appearing in MS, CSS and other competitive exams. The department is run by a retired DMG officer, under whose guidance, students are prepared for these deciding factors and turning points of the bright careers of their dreams.

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

Degrees **OFFERED**

BS (HONS.) in English Language and communication) (**BSELC**)

Bachelor in Science (**Simple**)

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

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

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.



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

Mr. Sarfraz Zaman

MA (English Literature) Punjab University
MBA VU, Lahore
M.A. Political Science (PU)
M.Phil. Management Sciences (LBS)

Mrs. Mehrunisa Zaid

Lecturer

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

Mr. Hammad Nazir Zaki

MA (English Literature) Punjab University
PGD Linguistics (PU) PGD TEFL (AIU)
MA TEFL (AIU)
MSc Mass Communication (AIU)

Miss. Saima Kanwal

MA (English Literature) Punjab University

Ms. Musharraf Aziz

MA (English Language & Literature) GCU
PGD TEFL (AIU)

Ms. Asieh Khan

MA ELTL UOL Lahore

Mrs Quratul Ain Shafique

Lecturer

M.A English Literature (PU)
M.Phil. English Literature (PU)
PGD Linguistics (PU)

Ms Almas Fatima

Lecturer

MA English Literature (PU)

Ms Aleena Bukhari

Lecturer

MA English Literature



Bachelor of Science in ENGLISH LANGUAGE & COMMUNICATION (BSELC)

INTRODUCTION

This is an integrated degree of both English Language and Literature Courses with an extra edge of a wide range of courses from social sciences and business and commerce. Social sciences are the backbone of national cohesion and development in terms of social and economic competitiveness. High-quality and vocationally relevant courses at UOL prepare graduates for a wide range of career opportunities.

Career PROSPECTS

This may include key positions in the civil services, judiciary, and top management in business and industry. Similarly, top positions in print and electronic media, NGOs, INGOs, multinational organizations and civil society organizations are open to graduates with their degree in English Language and communication. Social sciences impart a strong knowledge base to establish institutions for service to humanity or business for self-employment.

Program FACTS

Program Length

Full-time, 4 Years, Credit Hrs: 132

Entry Requirements

F.A./F.Sc./ I.Com / ICS/ A-Level Certificate or equivalent with minimum 45% marks.

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
Gen .English-I	3	Gen .English-II	3	Communication Skills	3	Academic Reading and Writing (ADVANCED)	3
Pak Studies	3	Islamic Studies	3	Intro to Computers	3	Citizenship Education(Human Rights)	3
Psychology	3	Gender studies	3	Entrepreneurship	3	Intro to Literature-IV : Prose	3
Philosophy	3	Pol. Sciences	3	Environmental Sciences	3	Morphology and syntax	3
History of Literature	3	Intro to Literature-II : Poetry & one act play	3	English Fiction	3	Anthropology	3
Intro to Linguistic-I	3	Intro to Linguistic-II (Methods & Approaches)	3	Phonetics & English Phonology	3		

Road MAP

Semester 5	Cr Hr	Semester 6	Cr Hr	Semester 7	Cr Hr	Semester 8	Cr Hr
Intro to Research Methodology	3	Literature Movements	3	Romantic Poetry/ American Novel & Poetry	3	Research Proposal & Thesis	6
Literary Criticism-I	3	Classical Drama	3	English Learning Skills/ Pedagogical Grammar/ Lexical Studies	3	American Drama/ Modern Drama	3
Classical Poetry	3	Literature Criticism-II	3	Afro-American Literature/ Continental Drama	3	Syllabus & Material Designing/ Language Assessment	3
Psycho – Linguistics	3	Pakistan Literature in English	3	CALL	3	Modern Poetry/ Modern Novel	3
Socio – Linguistic	3	Semantics / Discourse Analysis	3	Applied Translation Studies	3	Practicum Internship (Teaching)/ Practicum Internship (Literature Pedagogy)	3

BACHELOR IN SCIENCE

INTRODUCTION

Being degree awarding institute UOL is also catering a huge number of Medical, Dental and Pharmacy students. Those who have completed their first two years of professional degree i.e. 14 years of education appear in bi-annually conducted (in March and October) paper of English Compulsory and get a B.Sc degree.

Career PROSPECTS

After getting this degree students qualify to get admission to relevant M.Sc, or are eligible to appear in all the competitive exams like CSS, PMS, PCS.



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.

Program 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 (MAETL)

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.

Program 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
Thesis							4

Faculty of
**SOCIAL
SCIENCES**

**MATHEMATICS
&
STATISTICS**



Department of MATHEMATICS & STATISTICS

Faculty of Social Sciences

Mission STATEMENT

The Department of Mathematics is established to train the students to become competent professionals and researchers by earning M.Phil/ Ph.D. degree in Mathematics through the eminent faculty, state of the art facilities and infrastructure of international standards. We are committed to provide outstanding education to our research scholars in accordance with principles of the University mission. The research activities are planned in modern areas of mathematics to find solutions of current mathematical problems.

INTRODUCTION

The Department of Mathematics is one of the primary departments of the University of Lahore. Its initial setup was laid down and class work started when this university opened her gates for her students to learn and grow. The Department realizes its responsibility to ensure long term vitality of mathematical sciences; that it should foster the development of mathematical scientists as future scholars, teachers, researchers and organizational leaders. The M.Phil/Ph.D. program is launched afresh with highly qualified faculty members. It fulfills all the curriculum requirements for M.Phil/ Ph.D degree recommended by HEC. Our teaching methods comply with international standards and meet all mandatory requirements of HEC.

Degrees OFFERED

M.Phil in Mathematics.

Ph.D. in Mathematics.

M.Phil in MATHEMATICS

Road MAP

Semester 1	Cr Hr	Semester 2	Cr Hr
Group Theory	3	Fluid Dynamics	3
Functional Analysis	3	Electrodynamics-I	3
Riemannian Geometry	3	Electrodynamics-II	3
Mathematical Techniques	3	General Relativity-I	3
ODEs and Computational Linear Algebra	3	General Relativity-II	3
Partial Differential Equations	3	Magneto hydrodynamics-I	3
Integral Equations	3	Magneto hydrodynamics-II	3
Advanced Mathematical Physics	3		

Semester 3	Cr Hr	Semester 4	Cr Hr
Theory of Spline Functions I	3	Rings and Modules	3
Theory of Spline Functions II	3	Field Extensions & Galois Theory	3
Approximation Theory	3	General Topology	3
Numerical Solution of PDEs	3	Representation Theory	3
Mathematical Modeling-I	3	BCI Algebra	3
Mathematical Modeling-II	3	Advanced Theory of Rings and Modules	3
Computer Graphics	3	Advanced Measure Theory	3

Program FACTS

Program Length
2 Years

Entry Requirements
BS degree of 4 years duration with CGPA > 2.5 or MSc
GAT examination conducted by NTS

Location
Defence Road Campus

Recognised BY

Higher Education Commission



Ph.D in MATHEMATICS

Road MAP

Semester 1	Cr Hr	Semester 2	Cr Hr
Group Theory	3	Fluid Dynamics	3
Functional Analysis	3	Electrodynamics-I	3
Riemannian Geometry	3	Electrodynamics-II	3
Mathematical Techniques	3	General Relativity-I	3
ODEs and Computational Linear Algebra	3	General Relativity-II	3
Partial Differential Equations	3	Magneto hydrodynamics-I	3
Integral Equations	3	Magneto hydrodynamics-II	3
Advanced Mathematical Physics	3		

Semester 3	Cr Hr	Semester 4	Cr Hr
Theory of Spline Functions I	3	Rings and Modules	3
Theory of Spline Functions II	3	Field Extensions & Galois Theory	3
Approximation Theory	3	General Topology	3
Numerical Solution of PDEs	3	Representation Theory	3
Mathematical Modeling-I	3	BCI Algebra	3
Mathematical Modeling-II	3	Advanced Theory of Rings and Modules	3
Computer Graphics	3	Advanced Measure Theory	3

Program FACTS

Program Length
4 years.

Entry Requirements
M.Phil degree of 2 years duration in Mathematics with CGPA $\geq$ 3.0 in the course/research work examination. GAT examination conducted by NTS 50% Marks are required in GAT Subject (Mathematics).

Location
Defence Road Campus

Recognised BY

Higher Education Commission



Faculty of
LAW

**COLLEGE OF
LAW**



College of LAW

Mission STATEMENT

To cultivate a new generation of lawyers who will help the stagnant legal society to evolve, to match the high international standards and revolutionize 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 the government and the ordinary people. Suitable for industry executives, bank executives, engineers, health service professionals, public departments and educationist who seek to complement their existing degrees with a PG 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 the mindsets and ideas throughout the world.

Given its 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 through education.

College of Law, through its Bachelors program, 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 the 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 in the highest standard with the help of senior practitioners of Law who will not

Degrees OFFERED

Bachelor of Law - LLB
(5 Years)

Bachelor of Law - LLB
(3 Years)

only teach the students but also offer their personal expertise to help them to understand law and its practice much more effectively.

Career PROSPECTS

To become a part of the esteemed legal profession as a lawyer or the part of the judiciary and change the face of the field in Pakistan. Graduates may also choose to expand their horizons to legal professions outside the country.

OUR FACULTY

Mr. Justice(Retd) M.Bilal Khan
Dean

Mr. Tariq Ahmed Shah
Academic Coordinator
BA.LLB

Mr. Sabir Ali Chaudhry
Lecturer
BA.LLB. DLL (Pb) MA IR (St. John's Uni)

Mr. Ata Ur Rehman
Lecturer
LLM

Mr. Khalid Mehmood Mahar
Lecturer
BA.LLB

Ms Qudsia Akram
Lecturer
M.Phil International Relations

Ms Sundas Rauf
Lecturer
M.A, LLB, DBL

Ms Zarmina Anwaar
Lecturer
M.A English

Ms Rimsha Arshad
Lecturer
MSC Economics

Ms. Shazia Gulzar
Lecturer
M.Phil Psychology



Bachelor of LAW (BA LLB - 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 legal profession are part of the curriculum.

Elective COURSES

- Consumer Protection Laws : 3 Cr Hr
- Islamic Commercial Laws : 3 Cr Hr
- Labor Laws : 3 Cr Hr
- Civil Service Laws In Pakistan : 3 Cr Hr

Program 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
Pakistan Bar Council



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	Introduction to European Union Laws	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-I	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
				LEGAL DRAFTING-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.

Program 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
	Special & Local Laws	Labor & Taxation Laws



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 appear in 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 for registration. Each student,

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 documents within the prescribed

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 his/ 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 passed the prerequisite course.

(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 college) 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 shown as exempted along with credit hours of each course. Their grades 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 resting with the department and

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 students to overcome their deficiencies.

Attendance Policy

(a) The following attendance criteria will be applied:

1. The minimum requirement for a student to complete the semester is 75% attendance in each course. The department will determine the exceptions to this rule if any.

(b) Students 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 through a letter of the possible consequences including withdrawal from the course or admission cancellation.

(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.

ADMISSION POLICY (CONT.)

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 Accounts office and after completion submit the same along with their application. The application will be reviewed by the Director Finance.

(b) Fee concession / financial aid 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 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 Finance.

(e) The fee shall be paid on the dates as notified from time to time.

(f) A fine of Rs 50/- 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.

Fee Policy

University reserves the right to change the fee structure at any time.



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) Student's results will be formulated by the teacher on the basis of attendance, quizzes, project, assignments, case studies, term papers and presentation, 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, student's consolidated results in each subject/course on a Marks Sheet to CE Office within three weeks of the final examination.

e) If a students who wishes to have their Semester result 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 repeat those courses in which he/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 result 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)

D: 50-54 % 1.00
(Unsatisfactory, but not fail)

F: Below 50% 0.00 (Fail)

I: Incomplete

W: Official withdrawal

GPA = Sum (Points Earned in Course) / Sum of Credit Hours

Points Earned in Course = Numerical Value of Grade Earned x Course Credit Hour

"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 automatically convert to an "F" if not removed within one semester from the date of declaration of the result.

"W"- Official Withdrawal

A grade of "W" is given in a course when a student officially withdraws from the course or from the university atleast 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 a 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 500/- per course. The Chairman BOG/Rector will examine the student request on the recommendation 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 standing in next two consecutive 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 conditions:

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 program after de-registration he/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 grade obtained by a Student in each head of subject shall be delivered to the Students through the department concerned.

EXAMINATION RULES (Cont.)

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 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 semester of a degree program 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. If a student on completion of his program fails to achieve a CGPA less than 2.00 will only be provided with a transcript of incomplete program showing the grades he has obtained and the CGPA only. He will not be eligible to receive

the degree of that Program.

3. Each successful Student at the completion of the program shall receive from the CE a transcript signed by him on the prescribed form.

4. Each successful student scoring CGPA of 2.00 under graduate, 2.50 graduate and 3.00 M.Phil leading to Ph.D or more at a degree conferred on him in the prescribed form. Chairman Board of Governors the Rector, the Registrar 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.

5. The degree may be issued to a successful student before the convocation on payment of prescribed fee.

Miscellaneous

1. 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 obtained by a student in each 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.



POLICY FOR EXTERNAL AND INTERNAL STUDENT TRANSFER

OBJECTIVE

a) To introduce a transparent and a candid system of degree transfer within various faculties of the University as well as within different campuses.

b) Ensure that a transfer application is processed in a minimal time

c) Ensuring that all relevant areas/aspects are catered in the system to find a reliable transaction trail as and when required.

REQUIREMENTS OF ADMISSION FOR TRANSFERRED STUDENT

1. The applicant can get admission in the same program that he was studying in the previous institution if available with the university
2. Student must complete the program within maximum applicable program duration starting from the admission date in previous institution (e.g. seven years for four years undergraduate program)
3. The applicant must provide following documents in addition to the regular admission requirements:

- Copy of transcript (original to be verified by admission officer) from the degree awarding institution

(not from affiliated colleges etc.)

- No Objection Certificate (NOC) from the degree awarding institution (not from affiliated colleges, institutions etc.) and further applicant must not have been expelled from the previous institution based upon academics or disciplinary ground.

- Proof that the degree awarding institute is recognized by the HEC

- If the applicant seeking admission in a program that is accredited by a council, the applicant must provide proof that his admission in previous institution is recognized by the relevant council

- Character Certificate (in current date)

COURSE EXEMPTION CRITERIA

After fulfilling admission requirements the applicant may be granted course exemptions as per following criteria:

- Course contents and credit hours conforming to the relevant course for the program i.e. a course can be exempted if course contents are similar and the studied credit hours are equal or higher than that of the course being exempted

- Course can only be exempted if its sub parts are also passed e.g. a course with mandatory lab can be exempted if the candidate has passed both theory and lab at previous institution.
- Courses exempted shall have a minimum percentage or grades as per university rule which is currently "C" for undergraduate and "B" grade for post graduate programs. The department may set a higher grade as required.
- One course can be exempted against one or more courses studied at previous institution depending upon the course contents distribution, but not otherwise.
- Courses studied in an undergraduate program shall not be exempted in a graduate program.
- Specialization and final project or thesis shall not be exempted.
- If the Committee is not satisfied with the academic attainment of a course (s) completed at another institution, the university may offer a challenge test in the course(s).
- Maximum number of course exemption is as per university rules.

COURSE EXEMPTION FEE

Course exemption/transfer fee will be charged as per the university rules at the time of transfer/exemption, which is currently Rs.2500/- per exempted course.

PROCEDURE FOR COURSE

EXEMPTION

- The Head of the Department will constitute an admission committee for the admission of transferred students headed by the HOD.
- The selected applicant will submit documents required for the assessment of course exemption as described in section 1.2.
- The committee will review documents and approve courses for exemptions and will forward the decision to the registrar for notification before the commencement of classes.
- If the Committee is not satisfied with the academic attainment of a course (s) completed at the previous institution, the committee may offer a challenge test in the course(s).
- The Registrar will verify the documents and other legal issues and policies and will notify the exemptions forwarded by the department.
- The Registrar will issue the Registration Number. Student's

batch will be the batch in which student's gets admission.

- If there are any discrepancies found, the Registrar will ask to review the decision and provide rationale for this.
- The applicant may be granted admission and exemptions provisionally after the approval of the HOD. Exemptions will be confirmed after the notification issued by the Registrar.
- In case of MBBS/BDS, Pro-Rector (Academics)/Chairman BOG will be the final authority to approve transfer of new admission with Zero Credit Hours.

INTRA UNIVERSITY CAMPUS AND PROGRAM TRANSFERS

Any student with fee status pending/clear can apply for degree transfer. If student fulfill admission/merit criteria and seats are available in the transferee/recipient department, the Head of department (HOD) of receiving department will approve the

application and will forward it to student affairs department. Such transfers can be performed as per following policy. This policy applies to programs offered under semester systems. It does not apply on programs offered by Medical and Dental departments.

DEGREE TRANSFER SCENARIOS

Following can be the Degree transfer scenarios that have been dealt hereunder:

Category	Transferor Department	Transferee Department	Transferor Degree	Transferor Degree
Inter Department Transfer	A	A	Program A	Program B
Other Department Transfer	A	B	Program A	Program B
From Other Campus – Same Program	N/A	N/A	Program A	Program B
From Other Campus – Other Program	N/A	N/A	Program A	Program B
From Other University-Same Program	N/A	N/A	Program A	Program B
From Other University-Other Program	N/A	N/A	Program A	Program B

REQUIREMENTS OF INTRA UNIVERSITY TRANSFERS

CATEGORY - NEW ADMISSIONS

Transfer of a new admission from one campus to other campus including degree transfer can be with following status.

- The student must apply for transfer to another department within 3 weeks of class start at the accepting campus or program. Student will be liable for payment of differential in registration fee and tuition fee, if any, due to this change however any excess payment paid in transferor campus will not be refunded or adjusted against transferee campus dues.
- No intra university transfers will be allowed after 3 weeks of commencement of classes and student will have to complete the semester.
- The student must be able to complete his program within maximum applicable program duration starting from the admission date in his previous program (e.g. seven years for four years undergraduate program).
- The student must provide No Object Certificate (NOC) from the HOD of existing program and must get written acceptance from the HOD of accepting program of campus where the student wants to be transferred.

COURSE ACCEPTANCE CRITERIA

- Course contents and credit hours conforming to the relevant course

for the program i.e. a course can be exempted if course contents are similar and the studied credit hours are equal or higher than that of the course being exempted.

- One course can be accepted against one or more courses studied at previous campus or program depending upon the course contents distribution, but not otherwise.
- Courses studied in an undergraduate program shall not be accepted in a graduate program.
- All the passed courses may be accepted in case of campus transfer in the same program regardless of the grade.

MANAGING REGISTRATION NUMBER

- The registrar office will issue a unique Student registration number to a student who submits registration fee for first time regardless of the campus or program.
- The registrar office will issue program/campus specific applicant number while registration number will be issued as per batch in which student was enrolled/admitted.
- If a student changes program/campus, the registrar office will issue a new program/campus specific registration number with traceability of old number available with new registration number.
- If student has paid fee before requesting the transfer then the fee will be transferred from UOL degree (studying) to UOL degree (transferred).

- Students who have taken admission on self finance basis can apply for degree transfer and on transfer from one degree to other where there is difference of fee for respective degree, UOL will refund self finance fee deposited. Tuition fee will be charged according to new selected degree program.

MANAGING FINANCES

- Every student will have a separate account that will have all the details of financial transactions relating to such student.
- The student will be charged applicable transfer fee, however admissions approved with 100% fee waiver will be processed and student account updated at zero.
- The student must pay the tuition fee at the campus where he/she will be transferred or in case student has paid fee at the transferor campus, relevant fee will be credited to the transferee campus by finance section.
- Fees will have to be paid by due date, any delay therein will be levied with late payment charges.
- If a student wants to change degree program in 1st semester then fee applicable and in effect at that time will be charged as degree transfer fee. He/she will forward application to HOD and approval from both department heads is required. Previous registration no will be cancelled and registrar office will issue new registration number on same applicant number. In case of difference in fee package, difference will be charged.
- If a student wants to transfer to another department and apply

- within 3 weeks of class start he will submit application to HOD. Application should be approved by both department Heads. Registration fee & tuition fee will exist and difference fee shall be charged/adjusted by accounts department.
- If student apply after 3 weeks of class start, registration fee will be transferred to new registration number and tuition fee will be forfeited. In this case refund will not be allowed.
- If student apply for degree transfer after completing one semester then applicable transfer fee in effect at that time will be charged. Difference of fee will be charged/adjusted to student account.
- Student should seek new admission if opting new degree after 5 semesters and No relevance/exemption of course studied in new program.

CAMPUS TRANSFER-SAME DEGREE MANAGING EXAMS & RESULTS

- In case student changes the campus only, all the courses studied in previous campus will be acceptable with result notified by the controller. In case the curriculum is different for the same program, the HOD of accepting department will review the courses and accept the courses matching the curriculum.
- In case of change of program, the HOD of accepting department will review the courses and accept the

courses matching the curriculum.

- The courses not accepted for the transfer by the department, will be considered Non-credit Courses and will not have any effect on the GPA. These courses may be mentioned as Non-credit Courses on transcript or may be given as separate to the students who completes the program or leaves the university with in-complete program status.

PROCEDURE

- The student must apply for transfer before starting of the classes at the accepting department/Campus.
- The student should consult and get written permission of transfer to that department of accepting campus from the HOD.
- The HOD will send approved requests to the Registrar who will notify the transfer and will issue a new program/campus specific registration number under the Student ID.
- The student will be charged for applicable transfer fee.
- If student get registered in some degree program by mistake then HOD will verify and confirm the mistake and registrar will issue new registration number.

1) NEW ADMISSION TRANSFER - 1ST SEMESTER

- Recipient HOD after approval will forward case to student affairs department who will forward it to the Registrar office.
- If Fee status is pending on provisional registration number

is issued, then registration number will be marked cancelled on student registration form and new registration number will be issued on same applicant number after selection.

- Applicable on all degrees under regulatory bodies like engineering, MBBS/BDS.

2) NEW ADMISSION CANCELLED –FAIL TO MEET ELIGIBILITY CRITERIA

- Student should provide complete documents/equivalence before MID Term exams to secure admission. In case admission is cancelled student will have to pay re registration fee.
- A student can not apply for fee transfer to next session in case of ineligibility however applying for refund in case of ineligibility will be after declaration of result within the time limit prescribed by HEC and the University.
- This policy is not applicable on MBBS/BDS students.

STUDENTS CONDUCT & DISCIPLINE POLICIES

Students are expected to demonstrate ethical and moral values up held by the University. For this purpose student(s) will be required to observe 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.

GENERAL DISCIPLINE RULES FOR STUDENTS

1. The students are required to refrain from:

- Indulging in acts or behavior that threatens other students, faculty or staff members, including disruption of teaching and training in the university, cheating in the examination/ tests and disruption of normal operation of the other essential functions of the University;
- Participating in any unauthorized

assembly and function;

- Keeping fire arms or other weapons, even if licensed;
- Involving in fighting or use of abusive language;
- Damaging or breaking any University property or others in the Premises of the University;
- Performing any act contrary to law

2. Violation of these rules will lead to strict disciplinary action including rustication or expulsion from the rolls of the University, in addition to any other action under law that may accrue against the defaulters.

3. All the students are required to wear modest and tidy dress. Violation of this rule will lead to a fine. Student may also be asked to leave the University Campus until he/she comes with a reasonable dress.

a. Male Students should wear shirts with trousers, Shalwar Qameez or Kurta, suits and dress shoes with socks.

b. Female Students must also be decently dressed. Following dress code is to be followed by the female students:

- Clothing must be modest and within the norms of modesty
- Tight fitted clothes should be avoided. Loose and unrevealing clothes should be worn. Boldly designed dresses are not allowed
- Flashing clothes, jewelry, pazebs etc are not allowed.

4. Smoking is not allowed on the

University campus or inside the University vehicles except in the reserved area.

5. Use of the mobile phone is strictly prohibited in the University libraries, class rooms and laboratories. Defaulter will be fined Rs. 500/-.

6. Drinks and eatables can be taken only inside the cafeteria and not the University lawns. Eating or drinking at all other places is prohibited.

7. Male and female students should sit at the places reserved for them in the cafeteria and other part of the University.

8. Since there is a co-education system in the University the students must observe the following in combined gatherings.

- A reasonable distance between boys and girls is expected at all times.
- Touching between boys and girls, holding hands etc are not permitted on the University grounds, in the buildings, buses or at any University function.
- Sitting as individual couples in corners and in hidden areas of the University are not allowed.

9. Students are allowed to celebrate their birthday and other parties in the cafeteria only.

10. Photography / movie making of any type is prohibited by camera, handi-cam and mobile phones without prior approval from the University authorities.

11. Listening of music of all types including ring-tones of mobile phones is prohibited.

12. All students must carry their university identity cards with them while they are on the University campus. These I.D. Cards are required for entering the University premises, entering in the class rooms, laboratories, studios, libraries and for boarding a University vehicle. A Student may be penalized for not carrying or displaying his/her I.D. card.

13. Outsiders, friends of the students are not allowed to visit or be entertained within the University premises.

14. Students are not allowed to organize or participate in any unauthorized political, religious or sectarian activity/group. This will lead to instant expulsion from the University.

15. Suspended, rusticated or expelled students shall no longer have the right to enter the University premises and may be handed over to the civil authorities if found trespassing.

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.

These Rules will come into force 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 Committee" the Committee 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.

e) "Students" means the students of the University.

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 for 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/designation of HoD/Director/Dean. 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/Dean.

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 a student but is not allowed 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 force 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.

f) Smokes in the University premises or class rooms, laboratories, library and Examination Hall.

g) Consumes alcohol/liquor or other intoxication drugs within the University Campus, classrooms, laboratories, and library or during instructional tours.

h) Uses mobile phone with camera in the premises of the University in the classrooms, University library, laboratories, examination hall and studio.

i) Collects any money or receive donation or pecuniary assistance from or on behalf of the University except with the permission of the Rector.

j) Stages, incites or participates in or abet a walk out or strike or other form of agitation against the University or its teacher and officers.

k) Behaves in a non ethical and unsocial manner in the University premises.

l) Indulges in fighting and uses fire arms, daggers and knives.

m) Call relatives/friends for fighting in the premises of the University.

n) Involves in activities that are against the University discipline like playing music in cars, drive the car noisily, or play the alarm signal consistently.

o) Behaves improperly on educational trips or other co-curricular activities within the University or in ground/stadium organized by the University

p) Frames any political association with any political party.

q) Organizes or takes 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.

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 concerned produces identification to the student;

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.

k) Any society, club, etc., without the permission of the competent 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 the preview of minor offence.

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 offence.

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 of case.



7.0 Student Discipline on the Campus

7.1 The University of Lahore primarily aims to promote, project and maintain a peaceful academic environment that is conducive to equitable transmission of knowledge and learning, pursuit of truth, intellectual growth and development of its students as scholars and citizens.

7.2 In order to achieve these aims and goals the University strives to guide the educational community by establishing Students Disciplinary Rules and Regulations and Student Code of Conduct for promotion of individual and social responsibility.

7.3 Accordingly the University of Lahore has set up Unfair Means Committee, Students Discipline Committee along with their Appellate Committees. These Committees while dealing with cases of violation of rules and regulation follow recognized judicial and legal principles and procedures.

7.4 Reasonable opportunity is available to accused student to defend himself, call witness and present material evidence in his support before being penalized or exonerated. Right of appeal is also available to penalized students for waiver or reduction of penalty.

8.0 Proctor System

8.1 Proctor System has also been

established whereby faculty members are appointed as proctors from each department. They remain vigilant and alert for taking, on spot cognizance of violation of Rules and Regulation and Code of Conduct.

8.2 They take immediate administrative action against violators by imposing fines, other penalties and by reporting major offenses to the Discipline Committee.

8.3 The Proctor System is headed by a Chief Proctor.

1) Appointment of Chief Proctor
The Chief Proctor will be appointed from amongst the Deans or Head of Department and will be at least of the status of a professor.

2) At least two proctors will be appointed from each department with the status not less than Assistant Professor.

3) Standing Proctor Committee
The Chief Proctor will constitute a committee comprising of not less than proctors representing different departments for holding hearing of minor violations of discipline and student conduct rules. He may require the concerned student to appear before the committee on date and time and place intimated to the student. No adjournment of the meeting shall ordinarily be allowed to the student.

• The Chief Proctor may suspend

the accused student for fifteen days from attending classes and from utilized of other facilities provided to him by the University.

• At the same time a letter by courier services shall be sent by Chief Proctor to the student at the address given by him in the admission form with a copy to his parents. The letter shall contain the detailed allegation and ask the student to appear before the Standing Proctor Committee and defend his case on a specified date, time and place.

• The student should be given reasonable opportunity to defend his case. However, the student will not be allowed to represent his case by a lawyer or any other person at the proceeding of the Standing Committee. The committee may if consider necessary require the complainant against the student and witnesses of the case to be present in the meeting at the time holding the enquiry.

• The Chief Proctor shall give responsibility to record minutes of the proceeding of the meeting to any member of the committee, who shall record the statement of the concern student and other witness if any, about incidence in writing and get the signature of students and witness on their statements.

• The Standing Proctor Committee after due consideration of the whole matter should recommend suitable punishment that shall be notified by the Registrar after approval of the Rector with copies to the student and his parents,

Dean, HOD's, etc.

9.0 Right of Appeal

9.1 The student has the right to appeal in writing to the Appellant Committee against the decision of the Standing Committee. The Appellant Committee after due consideration may decide to concur or enhance or reduce the punishment.

10.0 Cognizable Infraction of Student Code of Conduct

10.1 The following are serious infraction of the Student Code of Conduct and are subject to disciplinary sanction by the University of Lahore.

- Misuse of Alcoholic Beverages, Drug and other Controlled Substances, Smoking.
- Assault, Injury and Threat
- Indecent Exposure, Violation of prescribed dress code, wearing tight, Jeans
- Sexual Misconduct, Sexual Assault, Sexual Harassment
- Hazing
- Disruption of Rights
- Public Disorder, Group Violence and Mass Disturbance
- Contempt
- Endangerment
- Fire and Safety Regulations
- Possession and Misuse of Weapons
- Theft or Damage to Property or Services
- Bribery and Extortion
- Gambling
- Misuse of Computers

- Ragging, Zero Tolerance shall be shown towards Ragging
- Punishable ingredient of Ragging
 - a) Abetment to Ragging
 - b) Unlawful Assembly and rioting while Ragging
 - c) Public nuisance created during Ragging
 - d) Violation of decency and morals while Ragging
 - e) Injury to body, causing hurt or grievous hurt
 - f) Wrongful restraint or confinement
 - g) Use of excessive force or Assault

11.0 Punishment for Infractions

11.1 The Chief proctor, Standing Proctor Committee and Proctor can impose following punishment on student committing violation given above.

- Suspend student violator for fifteen days from attending classes, and utilizing university facilities, memberships and scholarship etc.
- Impose a fine of up to Rs. 10,000/-
- Hear cases of minor offences spotted by them and report major cases to the Discipline Committee.
- The Proctor individually may impose a fine of Rs. 1000/- on student violating Student Code of Conduct.

11.2 The Chief Proctor, Standing Proctor Committee and Proctors besides performing the above functions, duties and responsibilities shall also be required to undertake the

following.

- Take regular rounds of campus in groups for maintaining peaceful atmosphere.
- May wear prescribed dress-gown and proctor badge.
- Give power point presentation in classes on student Discipline Rules and Regulations, students Code of Conduct including penalties for violations.
- They will not be required to appear before the Discipline Committee as witnesses etc.

Note: There will be a Chief Proctor along with Proctors at each campus.

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 allotment of accommodation in

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 furnish a written undertaking in

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 Rs. 8,000/- per month up to 10,000/- and registration fee 5000/- non refundable 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.

3. Shifting to a seat/room other 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 any 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.

11. Causing willful damage and/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 summer 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.)

to sign the register at the Hostels 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 rooms, clean and tidy. The beds 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 Warden(s) shall have the authority to impose fine up to 5000/- for each single act of

indiscipline.

2. 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 cancelation of allotment or rustication from the University.

3. 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 be held liable.

Visitors

Visitors will only be allowed to meet the residents between 08:00 am. - 08:00 p.m. The Visitor will have to record his/her name, address, signature, time of arrival and departure in the register kept at reception.



LIBRARY RULES AND POLICIES

Library Timings

• Library will remain open from 08:00 am. to 08:00 p.m. from Monday to Friday.

• 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 8:30 am. 04:45 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 and UOL 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.

• Please do not write, underline or mark any library book / material

• 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.

• The Librarian is authorized to withdraw library facilities from any

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 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 telephone number, e-mail address must be reported to the Librarian immediately.

Loan Privilege

The following categories 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 necessity.

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 University Card is must for any checkout at the Circulation Sec-8 Archive Section.

VII. If a member misplaces a book 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 is a matter of disciplinary action. Books accidentally damaged

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 double the current price of the book or replace the book.

III. The Librarian shall decide the price of rare special books. Member shall not mutilate, or damages 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 Series 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 development of library.

Disabling Fine

• Rs.500/- on 1st violation.
Rs.1000/- on 2nd violation. Case could be reported to disciplinary Committee on 3rd violation.

• All kind 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 only by the Librarian.



**ADMISSION
FORM**

FORM NUMBER

ENTRY TEST ROLL NUMBER

PERSONAL DETAILS

Name:

Father’s/Guardian’s Name:

NIC No:

In case you do not have CNIC 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.

Signature of Applicant: _____ Date: _____

PREFERENCES

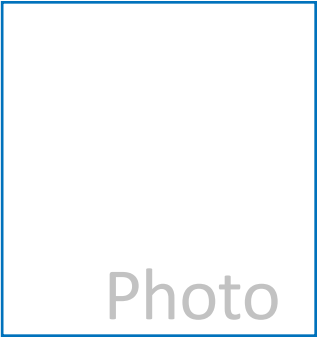
Program Applied For:

1st Choice:

2nd Choice:

3rd Choice:

4th Choice:



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 in blue background.
 - c) Photo copy of CNIC or Form B.
 - d) In case of A Level/ GCE, IBCC EQUAVALENCE Certificate is required.



Applicant’s Signature

Received by:

☐ Admission Granted

☐ Admission Rejected

Recommended by _____

FOR OFFICIAL USE ONLY

- ☐ NIC _____
- ☐ Matric/ _____
- ☐ FA/FSc-I/ _____
- ☐ FA/FSc-II _____
- ☐ BA/BSc/ _____
- ☐ Other/ _____

Date Application Received

Approved by
Head of the Department