

PROSPECTUS 2015-16



KHYBER MEDICAL UNIVERSITY

**INTRODUCTION
TO
KHYBER MEDICAL UNIVERSITY
PESHAWAR**

COAT OF ARMS

The Quran Verse is Prayer ***“O’ God bless me with Wisdom”***

- KMU is abbreviation of Khyber Medical University
- The staff and snake are the symbols of medical profession.

The staff (stick, support) and the snakes intertwined around it, is called “Caduceus”, symbolizing medicines. It is originated from the Greek god of healing, Asclepius who is represented with a snake; snake an ancient symbol of physical & spiritual healing.



Khyber Medical University reserves the right to make any amendments in policy, regulations or other affairs related to these programs.

Prospectus

2015-16

PDA Building Block IV Phase V Hayatabad Peshawar

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MESSAGE FROM THE VICE CHANCELLOR

KMU nurtures competence through learning and innovation to prepare visionary leaders across all fields to optimize health and health care of individuals and communities. A university distinguishes itself as a fountain of knowledge and is entrusted with the responsibility of dissemination and preservation of knowledge. KMU is the only public sector medical university hence it shoulders a heavy mandate to provide academic stewardship and conduct meaningful research in all health related fields.



A university endeavors to excel by enhancing access, quality and relevance. Khyber Medical University, in its journey of seven years, has tried to identify gaps in the field of health and fill them after extensive consultation and planning. The aim was to provide access in those fields hitherto not available to the residents of this area. Her earlier adventures were in the fields of Nursing, Physical Medicine and Public Health. First of its kind, Institute of Basic Medical Sciences was established to offer M Phil leading to PhD program in basic medical sciences to cater for requirements of all public and private sectors medical colleges. The university enhanced the faculty, strengthened infrastructure and increased seats by double of KMU Institute of Medical Sciences. A dental college KMU Institute of Dental Sciences (KIDS) has been established in Kohat - the first of its kind in southern districts. The University established KMU institute of Paramedics to provide trained human resource in this important field and bachelors program is being offered in 13 specialties. Institute of Health Profession Education and Research was the first of its kind in the country to offer capacity building in Health Professions Education and research. KMU offers two years modular MHPE (Masters in Health Professions Education) and MHR (Masters in Health Research) and CHPE (Certificate in Health Professions Education) and CHR (Certificate in health Research) to equip all medical and allied health teachers with the latest knowledge of curriculum designing and assessment and conducting research.

University has a role in building community and economy. Work has already started on purpose built medical and dental colleges in 120-Kanal plot in KDA, Kohat with magnanimous support of Khyber Pakhtunkhwa government. This shall usher a new era in health care delivery in southern districts. This shall raise the level of living with positive socioeconomic effects on the society. To provide leadership in prevention and control of non-communicable and communicable diseases, Khyber Medical University has embarked upon establishing Pakistan Research Institute of Diabetes & Endocrinology and NCD (RIDEDNC) and Research Institute of Hepatology & Hepato-Biliary Pancreatic- surgery and transplant (RIHEHPT) under one roof in the university campus sponsored by HEC and federal government. This shall provide a permanent structure –physically and intellectually robust to oversee preventive, evidence based therapeutic and conduct epidemiological, clinical, therapeutic and basic sciences research. This facility shall offer state of art services for liver transplant with the possibility of pancreatic transplant as a cure for diabetes in the future.

Research remains a priority with KMU. We hosted six annual research symposiums to promote research at all levels. We have an active and vibrant ORIC (Office of Research Innovation and Commercialization) which undertook major research projects collaborating with organizations like RAF, PMRC, Relief

International, DOST, British Council and Agha Khan University. In collaboration with Johns Hopkins University and Agha Khan University ORIC is implementing “Trauma and Injury prevention Program” incorporating capacity building of the staff. KMU hosted “Nutrition Policy to practice in Pakistan - Exploring the Challenges and Research Opportunities” - a British Council Funded Researcher Links Workshop in collaboration with HEC. Recently KMU and Georgia State University (GSU) signed a grant project agreement for saving maternal and infant lives with affordable technology in two districts. KMU takes pride in launching four Journals – KMU journal by KIMS, Advances in Basic Medical Sciences by IBMS, Advances in Medical Education by IHPE&R and Annals of Allied Health Sciences by INS, IPMR and IPM. All these efforts on capacity building, promoting research culture, providing opportunities to conduct research and disseminate research had a very positive effect and sowed the seeds for research culture.

KMU is proud of her family of 34 affiliated colleges and institutes. For the affiliated colleges and institutions, KMU offers the role of standardization and setting higher goals in curriculum, evaluation and mode of instruction in medical and health education and help achieving them by pooling of resources and intellect through innovation and scholarship.

In this journey of seven years number of student have increased steadily from 102 in 2008-9 by twenty two folds to 2216. Finances have been kept under close scrutiny and receipts increased from 165 m in 2008 to 865 m last year and expenditure has gone up from 109 m to 753m last year. Last year witnessed investment of 750 m for Nursing and Paramedics institutions, 950 million for RIHHEPT and RIDENCD and 1700 for KIMS and KIDS totaling 3.4 billion. We could have not achieved this without the dedicated support of HEC and Provincial government. We expect provincial government to play her role and support KIMS and KIDS with regular annual grant of 100 million. We beseech HEC to enhance our grant according to the number of students – around 200 million. We need support of provincial government to support PhD student by creating basic Science TMO on the analogy of clinical TMOs. We need a special grant of 30 million towards our endowment fund.

KMU has played an important role in changing the landscape of medical and allied health fields in our province. It has achieved numerous milestones at the tender age of seven years. Ingeniously, the university identified gaps in the present health care delivery system and offered programs in these fields. KMU has been able to harness the resources and build an ambitious academic and research program for the province. KMU has excelled in all three defined areas of enhancing access to newer fields, providing relevance and improving quality. Today, it stands tall in her comity for her academic stewardship and pioneering research.

Thanks

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INTRODUCTION:

Khyber Medical University is one of the new generations of Medical Universities in Pakistan, established through Khyber Medical University Act 2006 (KPK Act No. 1 of 2007). The University is envisaged to grow as a modern Centre of excellence in the field of medical sciences and technology. Khyber Medical University is committed to the provision of intellectual leadership and development and to emerge as a beacon of light for regional hub in scientific, educational and technological development in the field of health care.



KMU VISION

Khyber Medical University will excel in academics and research in medical and allied health sciences serving as a health care resource nationally and globally.

KMU MISSION

Khyber Medical University intends to provide the highest standard of Medical and Allied Health Education and facilitate research through innovative programs and use of quality resources. It inspires to provide the highest quality of healthcare to community, aspires for research to minimize dependency and inculcate skills to promote health and prevent diseases.

KMU VALUES

- Personal honesty, integrity and respect for humanitarian, traditional and cultural values;
- Academic excellence and freedom;
- Generation, synthesis, application and dissemination of knowledge;
- Lifelong learning;
- Personal and professional development of faculty and supportive staff;
- Mutual respect and collaboration;
- Personal, institutional and professional responsibility and accountability;
- Service to local, regional, national and international communities; and
- Continuous improvement of our programs through processes of sustainable development.

DEPARTMENT OF ADMISSIONS, ACADEMICS AND QUALITY ASSURANCE

The Khyber Medical University is envisaged to grow as a modern centre of excellence in the field of medical sciences and technology. The University is committed to the provision of intellectual leadership and development and to emerge as a beacon of light for regional hub in scientific, educational and technological development in the field of health care.

The number of students enrolled has increased many folds as we enhance access and open doors to newer disciplines. University takes pride in starting masters in Nursing, Physiotherapy and Biostatistics and Epidemiology. More than a score of students have earned MPhil in basic sciences and PhD program is being revamped. KMU Institute of Medical Sciences (KIMS) offering MBBS program has seen expansion in her faculty, improvement of infrastructure and enhancement of seats in the last two years. Moreover in addition to above, KMU Institute of Dental Sciences offering BDS program has been the first of its kind in southern districts of this province. In addition to above this year KMU has started PhD in **Public Health** at Institute of Public Health & Social Sciences.

Khyber Medical University is offering the following programs in its constituent institutes.

1. Ph.D. in Basic Medical Sciences (7 Disciplines)
2. Ph.D. in Public Health.
3. M. Phil leading to Ph. D in Basic Medical Sciences (7 Disciplines)
4. Master in Physical Therapy (MSPT 02 Years program) (02 Disciplines)
5. Master in Public Health (02 years program) (04 Disciplines)
6. Master in Health Profession Education (MHPE 02 years)
7. Master in Health Research (MHR 02 years)
8. Master in Epidemiology & Bio-Statistics (02 Years)
9. Master in nursing (02 years)
10. MBBS (05 Years)
11. BDS (04 Years)
12. Doctor of Physical Therapy (05 Years)
13. BS Paramedics (04 Years program) (10 Disciplines)
14. BScMLT (02 Years program) (Evening)
15. BS Nursing (04 Years)
16. BSc Post RN (02 Years) Program
17. Baccalaureate of Science in Nursing (Fast Track 01 Year Evening program)
18. Transitional Doctor of Physical Therapy (t-DPT) 01 Year Evening Program
19. Certificate in Health Professions Education (CHPE)
20. Certificate in Health Research (CHR)

LIST OF CONSTITUENT INSTITUTES AND FEE POLICY

1. KMU Institute of Basic Medical Sciences (IBMS)
2. KMU Institute of Public Health and Social Sciences (IPH&SS)
3. KMU Institutes of Medical Sciences (KIMS)
4. KMU Institutes of Dental Sciences (KIDS)
5. KMU Institute of Physical Medicine and Rehabilitation (IPM&R)
6. KMU Institute of Nursing Sciences (INS)
7. KMU Institute of Health Professional Education and Research (IHPE&R)
8. KMU Institute of Paramedical Sciences (IPMS)

FEE POLICY

The fee and dues will be charged from each student irrespective of his / her year/ Semester of admission as per details given in the prospectus. All fee and dues of the first semester must be paid on or before the last date mentioned in the offer letter of admission, otherwise his/her admission will be cancelled and seat will be offered to the next candidate on merit list. For subsequent semesters fee and dues for academic year if not paid within 15 days of start of semester a fine of Rs. 100/- per day will be imposed. If the student fails to pay his/her fee and dues within 30 days, his/her name will be struck off from the institution.

Note:

- **The University has the right to increase the fee at a rate of 10 % annually.**
- There is no fee concession/installment policy in Khyber Medical University.

DETAINED STUDENTS FEE:

a. **MBBS/BDS:** In pursuance of the Pakistan Medical & Dental Council, Islamabad letter No. 30-Misc(detained student fee)/Council-2014/268510 dated 06.01.2015. The fee charged to the detained student (MBBS/BDS) shall be one third (1/3) of the total annual tuition fee as per PM&DC regulations (for the each failed subject). In case if a student is failed in all subjects 75% of annual tuition fee shall be charged.

b. FOR ALL OTHER PROGRAMS:

- i. Those students who fail in annual/semesters examination and are re-admitted in the same class shall be liable to deposit 50% of the tuition fee for all category students of the constituent institutions of KMU, prescribed for the year/semester. In-case of re-appearance in failed subject/s one fourth (1/4) of the total annual tuition fee for the each failed subject shall be charged.

Those students who do not appear in the final term exam due to shortage of attendance, willful absence shall be charged 100% tuition fee for that semester and will be liable to repeat classes.

FEE REFUND POLICY OF KMU

Percentage of Tuition Fee Refund	Timeline For Semester / Trimester System	Timeline For Annual System
Full (100 %)	Up to 07 days of convene of classes	Up to 15 days of convene of classes
Half (50 %)	From 08 to 15 days of convene of classes	From 16 to 30 days of convene of classes
No Fee (0 %)	From 16 days of convene of classes	From 31 days of convene of classes

All late admission cases (Admission offered after commencement of classes), the days for fee refund shall be counted the date of admission as per above table.

KMU FINANCIAL ASSISTANCE / MERIT AWARD

The Khyber Medical University, Peshawar provides the following Financial Assistance to the students subject to the availability of funds:-

1. KMU FINANCIAL ASSISTANCE / NEED-BASED SCHOLARSHIP:

Khyber Medical University encourages its needy students to pursue their studies by providing them financial assistance from KMU endowment fund and its other resources.

2. KMU MERIT AWARDS: In order to recognize merit and encourage academic competition among students. The Khyber Medical University awards prizes for the 1st, 2nd and 3rd position holders.

3. HEC NEED-BASED SCHOLARSHIPS: Higher Education Commission (HEC) aims to assist needy students by providing access to quality education through needs-based scholarships, providing an opportunity for talented, academically qualified students from remote and rural areas of Pakistan (FATA, Khyber Pakhtunkhwa and Baluchistan), who are financially disadvantaged and are incapable of meeting higher education costs in various disciplines.

4. USAID NEED-BASED SCHOLARSHIPS: The United States Agency for International Development (USAID) is committed to play its role in the progress and development of the higher education sector and has offered Scholarships to financially disadvantaged students to study Medical and Allied Health Sciences. The scholarships will be offered to the students fulfilling their criteria and subject to availability of funds.

5. PRIME MINISTER TUITION FEE REIMBURSEMENT SCHEME: The Higher Education Commission, Islamabad support the educational sector of the following less developed areas of Khyber Pakhtunkhwa and FATA under the Prime Minister Tuition Fee Reimbursement Scheme and pay tuition fee of the students studying in Masters, M.Phil and PhD programs in all Public Sector Universities of Pakistan, subject to availability of funds

FATA	Bajaur, Khyber ,Kurram, South Waziristan, North Waziristan, Mohmand, Orakzai, FR Peshawar ,FR Kohat, FR Bannu, FR Lakki ,FR D.I. Khan, FR Tank
Selected Areas of Khyber Pakhtunkhwa	Chitral, Lower Dir, Upper Dir, Swat, Buner, Shangla, Malakand, Kohistan, D.I.Khan, Tank, Hangu, Lakki Marwat, Battagram, Bannu, Kohat, Kala Dhaka/Torghar and Karak

Note: All the students who are sponsored under any scholarship scheme shall deposit their fee within due date as determined from time to time. The scholarship as and when received by this University will be disbursed amongst the students accordingly.

Hostel Accommodation:

The students admitted in KMU will be responsible to make their own arrangements for their boarding and lodging.

SCRUTINY AND ADMISSION COMMITTEE FOR ALL PROGRAMS EXCEPT MBBS/BDS

- | | |
|--|------------------|
| 1. Director /Principal/In-charge/Consultant/Coordinator of the concerned institute | Chairman |
| 2. Two Faculty member (Against each discipline offered) | Member |
| 3. Office Manager/Section In-charge/ Office Assistant | Secretary |

JOINT ADMISSION COMMITTEE FOR MBBS/BDS

- | | |
|---|-----------|
| 1. Principal KMU-IMS, Kohat | Chairman |
| 2. Principal KMU-IDS, Kohat | Member |
| 3. Prof. Dr. Aziz Marjan | Member |
| 4. Dr. Asmat Ullah, Assistant Professor | Member |
| 5. Mr. Safdar Mehmood, OA/Incharge SAS, KMU-IMS | Secretary |

APPELLATE COMMITTEE

The right of appeals against the decision of Admission Committee will vest in the Appellate Committee which will consist of the following.

- | | |
|-----------------------------------|----------------------|
| 1. Vice Chancellor, KMU | Chairman |
| 2. Registrar, KMU | Member-cum-Secretary |
| 3. Controller of Examination, KMU | Member |

INELIGIBILITY FOR ADMISSION

1. Anyone who has been expelled by any university or college for misconduct or for use of unfair means in the examinations or any offence involving moral turpitude or for any valid reasons shall not be entitled for admission in KMU.
2. Anyone who has been admitted earlier to any program but later was declared to have ceased to be student of the university under these regulations shall not be allowed admission.

MIGRATION POLICY:

Migration from one public sector medical college/institute/university to another public sector college / institutes will be governed by the following rules and regulations:

1. Migration is allowed only from a recognized public sector medical college/institute. Whereas, migration from a private medical college/institute to KMU and vice versa shall not be processed.
2. Mutual migration is not allowed.
3. Migration will be allowed only when a vacant seat is available in the corresponding class, not exceeding the total permissible strength of the college/institute.
4. All the applications shall be routed through the Head of the college/institution.
5. No case shall be processed without provision of No Objection Certificate. Both the Principles of the concerned college/institute shall give No Objection Certificate prior to the final approval by the Vice Chancellor KMU.
6. The migration fee to be deposited in KMU account, will be Rs. 50,000/- (Fifty Thousand) for student seeking migration from college / institutewithin the province and Rs. 100,000/- (One Hundred Thousand) for students migrating from other provinces and abroad.
7. The migrating students must clear all the dues of the college where he/she remained for more than 06 months.
8. The fee shall be deposited in the college/institute/university where migration is sought.

TRANSFER OF CREDIT HOURS FROM A PUBLIC SECTOR UNIVERSITY TO KMU

The cases of transfer of credit hours shall be placed before the KMU equivalence committee to examine and take necessary decision in the matter. However, No credit hour of a course will be transferred if the grade is less than C for undergraduate and B for graduate.

ENROLLMENT/REGISTRATION IN COURSES IN SEMESTER SYSTEM:

Students shall not be allowed to add or drop a course/change of discipline after the end of the second week of the semester inline with the HEC guidelines.

QUALITY ENHANCEMENT CELL

Vision

QEC aspires to ensure high standards of academics and research in the field of health and social sciences through an innovative, consistent and effective setup of quality enhancement mechanism, at KMU.

Mission

QEC intends to enhance, promote and sustain the quality of university's academic programs and processes to the highest standards at the national, regional and international levels through effective policies, based on informed decisions, continuous monitoring and controlling measures

Introduction

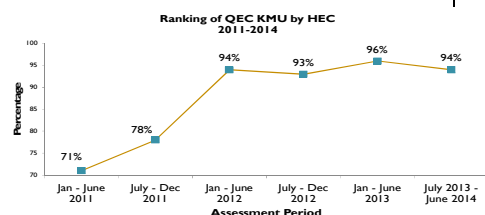
Quality Enhancement Cell of Khyber Medical University was established in 2009 in the third phase of establishing QECs under the umbrella of Quality Assurance Agency of Higher Education Commission. After completion of project period KMU took over the QEC as its one of the permanent department of the university.

The basic aim of the Quality Enhancement Cell is to improve the standard of education bringing it in line with the standards set for Quality Education at National and International level.

The responsibility of QEC is to assess and evaluates the academic policies, Programs and give recommendations accordingly for any improvements if required.

Following major tasks have been accomplished:

Title	No	Title	No
Assessment of Academic Programs (SAR)	20 Programs	Development of Assessment Reports. Implementation Plans approved	20 each
Constitution of Program and Assessment Teams for Academic programs.	20 Teams	Seminar / Workshops organized	49
Teachers Evaluation	07	Faculty Satisfaction Survey	12
Course Evaluation	05	Feedback from Graduating students	07
Membership with International Agencies	APQN INQAAHE AQAAIW	Organized National Events through Video Conference session among 85 QECs.	19
Anti-Plagiarism Test Certificates issued	More than 100		



QEC Ranking Criteria	Score Range
Category	
W	80% - 100%
X	60% - 79%
Y	40% - 59%
Z	Up to 40%



Teacher's Evaluation at KMU Institute of Medical Sciences Kohat

2011-2014: QEC succeeded to secure highest category "W" by HEC and has maintained its ranking.

OFFICE OF RESEARCH INNOVATION & COMMERCIALIZATION (ORIC)

The office of Research Innovation & Commercialization-KMU is the main pillar of the institution. It has taken many concrete steps to inculcate research culture at all levels of the university hierarchy in the last seven years and carries the command of taking it forward to make the institution at its best with regards to research and development. It has tried to provide enabling environment for top class research and innovation in its constituent and affiliated Institutes. The office has also worked towards institutionalization of research in the healthcare system of the province by capacity development, policy change and health system alignment to the community needs.

Vision: KMU-ORIC intends to construct conducive and enabling environment to develop and facilitate focused research, linkages and commercialization in the relevant market.

Mission: The ORIC KMU through a series of ongoing activities and its future vision carries the mission of developing capacity in Research, Academics, Health care delivery systems and informed decision making with Institutionalization of research in the health system.

Strategic Objectives of ORIC KMU

- To create an environment in KMU in which research thrives and become an integral part of all academic activities.
- To facilitate high quality research in the constituent and affiliated institutions with focus on the health needs and problems of the country.
- To establish linkages with the industry to facilitate coordinated research with a mutual commercial and academic gains.
- To develop and patent software, hardware products, human capital to provide consultancy and marketing services to the pharmaceutical industry, public health and others including the needs of neighboring countries.
- To increase the knowledge base by capacity development and continuous professional education through existing and new courses.

ORIC FOCUS: To achieve its mission and strategic objectives, the office of Research Innovation & Commercialization has not only focused on postgraduate and faculty, but also on undergraduate capacity building in research. The ORIC office believes that if one has a stronger research knowledge base, the outcome later is more meaningful and rewarding.

In addition to postgraduate programs this unit focuses on undergraduate programs, incorporating research as basic component of their curriculum. The office endeavors for the ranking of medical institutions based upon quality and quantity of research produced each year by their respective faculty. At the postgraduate level, ORIC KMU is highly motivated to improve the capacity of the researcher's in health and health related sectors. Major activities of ORIC at postgraduate level are series of Research Methodology & Proposal Development workshops, workshop on Bioethics, Biostatistics and SPSS, Workshops on End Note, workshops on Emergency Medicine and organizing Annual Health Research Conferences. In addition to above mentioned series of workshops, ORIC KMU is also looking after a Masters program in Health Research and a Certificate program in Health Research for those who are highly motivated and enthusiastic in building careers in Health Research and biostatistics.

At Faculty Level, KMU ORIC carries the objective of building their capacity through series of workshops on Medical Writing and Proposal Development, Certificate in Health Research Program, Certificate in Clinical Trials through CRCP program, Workshop on Clinical Ethics, Symposia on Nutritional Issues and a regular program of Competency Enhancement program for clinicians.

CURRENT ACTIVITIES OF KMU ORIC

1. Developing linkages with the industry in the best interest of Khyber Medical University and facilitating knowledge transfer by conducting a series of workshops.
2. Acting as a pillar for facilitating high quality research through the advances studies& research board and ethics board.
3. Building linkages with the government through department of health & HEC and facilitating capacity building activities for health human resource specifically in NCDs, Common Communicable Diseases, Primary Health Care, Quality in Health Care, Emergency Medicine & Traumatology and Nutrition.
4. Providing support to the postgraduate research scholars and faculty in the form of research grants.
5. Providing a forum to faculty for writing grant winning research projects.
6. Developing understandings with both national and international health institutions for research collaboration & faculty/students exchange.

FUTURE PLANS of KMU ORIC:

Through it comprehensive five year plan (2011-2015), ORIC office is intending to launch a series of programs which include:

- Clinical Research Certificate Program (CRCP)
- Masters of Science in Human Nutrition
- Pharmacy Management Courses with special emphasis on Research
- Diploma in Health Economics and Management
- Certificate course in Pharmaceutical Marketing
- Setting up of Monitoring & Evaluation Cell in ORIC office
- Identification of Key Research Areas
- Capacity Development Workshops (research) for KMU Faculty and affiliated institutes

**KHYBER MEDICAL UNIVERSITY INSTITUTE OF
MEDICAL SCIENCES, KOHAT**



INTRODUCTION

Khyber Medical University Institute of Medical Sciences Kohat (KIMS) is recognized by PMDC on permanent basis.

The Institute is located in the most developed area of Kohat Development Authority (KDA). KIMS is at one hour drive from Khyber Pakhtunkhwa Capital Peshawar. The University main campus is located at Peshawar. Liaquat Memorial and Divisional Headquarter hospitals of 500 beds capacity have been declared as teaching hospitals for KIMS by the Govt. of KP. Both the hospitals are well equipped having nursing wards for different types of patients besides operation theaters, radiology and diagnostic lab etc.



Prof. Dr. Salim Khattak
Principal KIMS

ADMISSION POLICY

General Policy Important Notes

All candidates must study this prospectus thoroughly before applying for admission to KIMS.

1. KIMS, Kohat offers five years course leading to MBBS degree
2. A Joint Admission Committee constituted by Vice Chancellor KMU comprising of Principal KIMS and Principal KIDS will supervise the overall process of admission in MBBS/BDS degree program.
3. The Vice Chancellor shall be the final authority to accord approval to the admission & listen to appeals by intending candidates who could not be recommended for admission due to deviance of KMU rules.
4. Intending students will submit applications for admission on prescribed form to be downloaded from website of KMU (www.kmu.edu.pk). The form must reach the office of the Principal KIMS on or before the due date within official duty hours.
5. The fee and subscription given in this prospectus are payable by all the students of KIMS. This may be subject to adjustment by the KMU from time to time corresponding to inflation and cost of education etc.
6. The Vice Chancellor reserves the right to make necessary changes in the syllabi and examination procedure for MBBS/BDS students as and when notified by PMDC and HEC at any time during the course of studies.
7. Incorrect information or suppression of facts in application form shall entail refusal of admission.
8. A student convicted of any offence and/or having served a sentence in jail will not be eligible for admission.
9. The candidates shall have to keep themselves informed of the prescribed date of interview/admission. No separate call letters will be issued for interviews or admission confirmation. The provisional merit list will be displayed on the KIMS Notice Board and KMU website (www.kmu.edu.pk) on the scheduled dates as mentioned in the admission advertisement.
10. Admission will be given after the deposition of prescribed fees and medical fitness certificate.
11. Candidates selected for admission shall be required to finalize the admission requirements i.e. fees/dues etc within the prescribed period, failing which his/her right of admission will be given to the next candidate, from the waiting list.
12. No candidate will be considered admitted unless she/he pays the fee and dues.
13. Absence from classes for four consecutive weeks from the date of admission without any genuine reason shall entail cancellation of admission.

SEATS DISTRIBUTION

A total of 100 seats in MBBS are offered in KMU-IMS Kohat. The distribution of these seats are as follows:-

PROGRAM (MBBS)	
Allocation	No. of Seats
Subsidized (Open Merit) KP, PATA, FATA	72
Subsidized (FATA) IN	03
Semi Subsidized (Open for all KP, FATA, PATA)	20
Foreign Self Finance	05
Total	100

Note:

- Subsidized open merit seats are open to applicants possessing valid domicile certificate of KP, PATA and FATA.
- 03 seats are reserved for FATA-IN candidates possessing valid FATA domicile certificate.
 - Admission to **FATA-IN** seats will be made purely on the basis of **inter-se merit** among the contesting **FATA-IN** candidates.
 - Admission of FATA candidate to KIMS shall be in conformity to rules and regulations of SAFRON/FATA secretariat Khyber Pakhtunkhwa.
 - FATA candidates shall apply against subsidized as well as on semi-subsidized seats.
- Admission to seat of **FATA-IN** shall be made on the basis of the following priority of obtaining uninterrupted education [not passing exam] within the FATA.
The following criteria of priority shall be applicable to **FATA-IN** candidates
 - Class 1 to F.Sc pre-medical (both part-I and II).
 - Class 1 to Matric with science (both 9th and 10th) & F.Sc from anywhere outside FATA.
 - Class 1 to Middle and Matric & F.Sc from anywhere outside FATA.
- In case of non availability of candidates from the given list of priorities, then admission shall be granted on the basis of open merit.

FOREIGN SELF FINANCE SEATS:

The applicant will be eligible for admission on Foreign Self-finance seats if:

- He/she holds a permanent foreign nationality and also fulfills the admission criteria laid down by Higher Education Commission, Government of Pakistan, Islamabad.
- He/she should also fulfill the admission criteria of Khyber Pakhtunkhwa public sector medical/dental colleges.
- The selected candidates against these seats must report to the concerned college at least 15 days in advance from commencement of classes.
- Any seat left vacant in the Foreign Self Finance category will be converted on open merit. Admission will be offered to candidates on the waiting list. However the candidates will have to pay a fee of US\$ 6500 per annum.
- In case of no applicants in category (IV). The seats will then be converted to Semi-Subsidized and offered to local applicants on merit basis. Admission will be offered to candidates on the waiting list. However, selection will be made purely on merit basis.
- In case of no applicants in category (iv & v). The seats will be widely advertised in daily news papers, offering admission to candidates of KP, FATA & PATA on self finance basis with a fee of US \$6500 per annum. However, selection will be made purely on merit basis.

ELIGIBILITY CRITERIA FOR ADMISSION

All the candidates applying for admission in MBBS/BD Courses must fulfill the following requirements.

1. QUALIFICATIONS:

The candidates applying for admission against any category of seats must have passed the F.Sc. (Pre-Medical) examination from any Board of Intermediate and Secondary Education in Pakistan in 1st Division with at least 60% unadjusted marks.

OR

Passed an examination of Foreign University/Board other than Afghanistan which, in scope and standard is found equivalent to the F.Sc. (Pre-Medical) examination of Pakistan, subject to the following:

- i. The examination is recognized as equivalent to F.Sc. (Pre-Medical) by the Inter Board Committee of Chairmen (IBCC), Islamabad. It shall be the responsibility of the candidates to settle their cases with IBCC and get clearance certificate from IBCC, Islamabad for recognition of their qualifications.
- ii. The equivalence certificate must be attached with the application form before the final closing date.
- iii. Provisional equivalence certificate issued by the IBCC may be entertained for admission. However, confirmation of candidates' admission will be subject to production of proper equivalence certificate issued by the IBCC.
- iv. The candidate has obtained marks equal to unadjusted 60% of F.Sc. total marks according to the formula laid down by the IBCC, Islamabad.
- v. The equivalence certificates of such candidates will not be accepted if they have not studied and passed the subjects of Physics, Chemistry and Biology in their 9th, 10th, 11th and 12th Grade, O & A levels or other equivalent examination recognized by the IBCC. They must have passed English as a subject at O or A level.
- vi. Only the Converted Marks Certificates issued by the IBCC will be accepted. The equivalence of marks will be on the basis of a certificate issued by IBCC.

2. ENTRANCE TEST:

- i. The candidate must have appeared in the entrance test of ETEAKP for the current academic year. There will be no passing marks but appearance in the test is mandatory.
- ii. The result of the test will be valid for the current academic year only and the result of the previous year will not be considered for the current session.
- iii. A candidate appearing in the entrance test cannot claim admission against any seat unless he/she fulfills other criteria specified in the admission policy.

3. POSSESSION OF VALID DOMICILE CERTIFICATE:

- i. The candidate and his/her father must possess a valid domicile certificate of concerned area.
- ii. The domicile certificate once submitted with the admission form cannot be changed and shall be considered as final.

Weight for preparation of final merit list. EXAMINATION/TEST	WEIGHTAGE
SS Core equivalent level examination	10%
Adjusted marks in F.Sc. equivalent examination	40%
Entrance Test	50%

Example:

A candidate has obtained marks:

- i. SS Core Equivalent qualification $870/1050 = 82.85\%$
- ii. Adjusted F.Sc. marks or equivalent level marks $920/1100 = 83.63\%$
- iii. Entrance Test Marks $380/800 = 47.50\%$

His/Her merit will be calculated as follows:

Examination		Weightage		Factor Marks
a. SSC	=	82.85x 0.1	=	8.28
b. F.Sc	=	83.63x 0.4	=	33.45
c. Entrance Test	=	47.50x 0.5	=	23.75

Merit score of the candidate = a+b+c= 8.28+ 33.45+ 23.75= 65.48

Final calculation in percentage will be rounded up to two decimal points.

4. **AGE:**

There is no lower or upper age limit for admission in KIMS, Kohat.

Note: Whenever two or more candidates are bracketed equal in the final merit list, the older by age candidate will be preferred over the younger one. In case the tie continues, the one having better marks in F.Sc. shall be preferred. If the tie still continues then the candidate with better marks in entrance test shall be given preference.

Admission of the candidate will be cancelled if:

- It is found at any stage of MBBS/BDS course that the candidate was not entitled for admission according to the KIMS admission policy.
- Candidate is found medically unfit at any stage of MBBS/BDS course.
- Candidate fails to report for admission and fails to deposit the fee within due period.
- Any document, information provided by a candidate is found false/fake or fabricated at any stage of MBBS/BDS course.
- It is found that candidate was not entitled for admission in preference to the other candidates who applied for admission at any stage of MBBS/BDS course.

DOCUMENTS REQUIRED WITH APPLICATION FORM

Application forms will be made available at the KIMU website (www.kmu.edu.pk).

The documents & certificates must be attested by a gazetted government officer. The stamp of the officer must bear his/her full name, designation and current place of duty.

Selected candidates shall have to submit all original certificates at the time of interview/admission.

The original documents of these selected candidates will be retained by the College and returned only at the time of leaving the Institution. The application forms and photocopies of the documents submitted by the candidates, not selected, will not be returned to them.

Applicants must attach with application forms attested photocopies of the following certificates and documents in the given sequence

- Secondary School Certificate issued by the concerned board (not school)/equivalence certificate.
- 02 copies of Detailed Marks Certificate of F.Sc on the basis of which admission is sought.
- Anequivalence certificate from the IBCC, Islamabad, if the qualifying certificate is from an Institute abroad.
- 01 copy of Computerized National Identity Card of the candidate/Computerized Form-B. Photocopy of both sides of the CNIC should be taken on the same side of a full page.
- 01 copy of CNIC of the father of the applicant, if the father is not alive then a copy of the CNIC of the mother or guardian [see instruction for the CNIC of the candidate].
- 02 Copies of Domicile certificate of the candidate.
- 01 copy of Domicile certificate of father of the applicant. If the father is not alive, then the death certificate of the father issued by the municipal authority/hospital, along with the domicile certificate of

the mother showing clearly her spouse name, have to be submitted. In case the spouse name is not written in the mother's domicile certificate, the domicile certificate of the brother may be submitted. A guardianship certificate shall also be submitted in such cases [specimen of guardianship certificate is given at the end of prospectus].

- viii. 01 copy of Attempt certificate from the concerned BISE only if the period between SSC and F. Sc. is more than two academic years.
- ix. Three passport size colored photographs of the applicant attested on the back.
- x. FATA- IN candidates must attach a certificate, issued by the Headmaster/Principal of the concerned school/college & duly countersigned by the concerned EDO Education, clearly showing the date of admission to and discharge from the school/college and also the exact duration of stay in the institute and location of institute as per specimen in the Prospectus.
- xi. Hafiz-e-Quran certificate from a Registered Madrassa if the candidate claims to be Hafiz-e-Quran.
- xii. Original Undertaking on judicial stamp paper of Rs. 30/- duly attested by Deputy Commissioner / Political Agent as per specimen given in the prospectus/admission form [only for admitted candidates].
- xiii. 01 copy of affidavit regarding completion of study in KIMS as per specimen in the Prospectus.

WARNINGS

1. Incomplete application form and form carrying false statement will be rejected.
2. Revision of result or improvement of marks by the board/IBCC after the finalization of merit list shall not affect the merit list of admission of current year in anyway. Any certificate issued after the dates fixed for final merit list display shall not be entertained.
3. If any certificate submitted by the candidate is found false or forged during his/her study period, his/her admissions shall be cancelled forthwith and further legal action can be taken against the student under the existing criminal laws.

SCRUTINY COMMITTEE

The Principal KIMS shall constitute a scrutiny committee, which will scrutinize the documents of all candidates.

JOINT ADMISSION COMMITTEE for MBBS/BDS

1. Principal KMU-IMS, Kohat	Chairman
2. Principal KMU-IDS, Kohat	Member
3. Prof. Dr. Aziz Marjan	Member
4. Dr. Asmat Ullah, Assistant Professor	Member
5. Mr. Safdar Mehmood, OA/Incharge SAS, KMU-IMS	Secretary

ADJUSTMENT OF MARKS

The following marks will be added/deducted from the total marks of F.Sc. obtained by the candidate in order to calculate the adjusted marks. The addition or deduction shall not change the eligibility (60% in F.Sc) of the candidate.

1. Only Ten (10) marks (irrespective of the number of attempts), will be deducted for improving marks in F.Sc examination by the candidate beyond the period of two years after passing the SSC annual examination. The attempt certificate issued by the respective BISE shall be accepted as final proof of improving marks.

2. Twenty(20)marks will be added to F.Sc.marks of a candidate who is Hafiz-e-Quran on the recommendation of committee for Hafiz-e-Quran.

COMMITTEE FOR EVALUATION OF THE CLAIM OF HIFIZ-E-QURAN:

The Principal KIMS with the approval of V.C KMU shall constitute a four members committee including a senior teacher of KIMS and three members will be Huffaz-e-Quran to be nominated by the Principal.

This committee will test the validity of the claim of the candidate. The decision of the committee will be by consensus among the Huffaz-e-Quran and the result will be displayed the same day on the KIMS notice board.

APPELLATE COMMITTEE FOR HAFIZ -E-QURAN

If a candidate is not satisfied with the decision of the committee for Hafiz-e-Quran, he/she can appeal to the Appellate Committee for Hafiz-e-Quran within 48 hours. It shall comprise of three Huffaz-e-Quran and shall be constituted by the Vice Chancellor KMU on the request of the Principal KIMS.

SELECTION AND ADMISSION OF APPLICANTS

1. The Chairman Admission Committee will display a provisional merit list for each category of candidates. Objection, if any, be submitted in writing to the Chairman who will be competent to rectify any error or omission. The final merit list will be displayed two days before the start of interview, on KIMS notice board and KMU website.
2. The Admission Committee will interview the candidates for selection against open merit, FATA-IN seats and will finalize the merit list of all categories of candidates.
3. The list of admitted candidates shall also be displayed on KIMS notice board, after the admission is provisionally finalized.
4. No candidate will be admitted unless she/he has paid the fee and dues. All dues must be paid by the due date, otherwise next candidate on merit will be considered for admission.
5. All admissions will be provisional and shall be confirmed only after approval of the Vice Chancellor KMU. All certificates or any other documents submitted with the admission form will be subject to verification.
6. The Principal can remove a student from the college roll at any time during the course of his/her study if incorrect or wrong data had been submitted by such a candidate/ parent/guardian at the time of admission. No show cause notice will be necessary for any action under this rule, nor would the University, the Principal or any other authority be liable for damages for any action taken under this rule. Any cost of litigation accrued by the University on account of law where the fault of the candidate is proved, shall have to be paid by the candidate or his/her parent/guardian.
7. Admission fee and other dues will not be refunded to those students whose admission is cancelled due to his/her forged documents or who are rusticated/expelled/ removed from the college roll for any reason.
8. The Medical Board of the college will examine selected candidates. If a candidate is disqualified medically, he/she will not be admitted.
9. The parent(s) or legal guardian must accompany all the candidates at the time of interview.
10. If at the time of interview, an eligible candidate is not present for any category of seat, that seat will be offered to next candidate unless a very genuine reason for absence from interview on the due date or before is presented to Principal. The Principal will be the final authority to proceed further in the matter and decide the case accordingly.

ADMISSION CANCELLATION

No student is allowed to cancel his/her admission after the closure of admission date.

Submission of Affidavit (only for admitted students). All the students admitted to MBBS/BDS program in KIMS will have to submit an affidavit to the effect that he/she will complete MBBS/BDS program in KIMS and all the original documents will be retained by the college till the completion of his/her study in KIMS.

Any student, who intends to cancel admission at any stage for seeking admission in another Medical College or for reappearance in ETE test, after the closure of admission, shall be liable to a penalty of Rs. 400,000/- (Four Hundred Thousand) for wasting of a precious seat.

Affidavit is to be recorded on Stamp Paper of Rs. 30/- and duly signed by the Oath Commissioner in presence of two witnesses as per specimen given in the prospectus.

Original documents will be returned only after payment of the due penalty.

MIGRATION POLICY

Migration from and to KIMS is allowed and will be governed by the following rules and regulations:

1. Migration is allowed only from a recognized public sector medical college and not from a private medical college.
2. Mutual migration is not allowed.
3. Migration will be allowed only after the candidate has passed Second Professional Examination in another medical college.
4. Migration will be allowed only when a vacant seat is available in the total strength of the college as approved by Pakistan Medical and Dental Council.
5. Migration will be allowed only when a vacant seat is available in the corresponding class.
6. Migration will be allowed on merit among the applicants.
7. Both the Principals of the concerned medical colleges must give an objection certificate prior to the final approval by the Vice Chancellor KMU.
8. While allowing migration, the rules of PMDC must not be violated in any way.
9. The migrating student must clear all the dues of KIMS for the year in which he/she is admitted.
10. The migration fee to be deposited in KMU account, will be Rs. 50,000/- (Fifty Thousand) for student seeking migration from institution within the province and Rs. 100,000/- (One Hundred Thousand) for students migrating from other provinces and abroad.

Faculty:

S #	DEPARTMENT	NAME OF FACULTY	QUALIFICATION	DESIGNATION
1.	Physiology	Dr. Farman Ullah	MBBSMD	Professor

		Dr Mohammad Bashir	MBBSFCPS	Professor
		Dr. Muhammad Haris Ramzan	MBBS, M.Phil	Assistant Professor
		Dr. Munaza Khan	MBBS, M.Phil	Assistant Professor
		Dr. Safia Bibi	MBBS	Lecturer
		Dr. Shariq Aman	MBBS	Lecturer
		Dr Ghazala Shaheen	MBBS	Lecturer
		Dr Farmanullah	MBBS	Lecturer
2.	Anatomy	Dr.AbdulSahibKhan	MBBSFCPS	Professor
		Dr.SohailAziz	MBBS,MCPS,FCPS	Assoc:Professor
		Dr. Khurram Saidal	MBBS	Lecturer
		Dr. Adnan Rasheed	MBBS	Lecturer
		Dr. Zeeshan Munawar	MBBS	Lecturer
		Dr. Jamshed Khan	MBBS	Lecturer
3.	Biochemistry	Dr.AbdulWaheed	M.Phil,Ph.D(Germany)	Professor
		Dr. Syed Mutahir Ali Shah	MBBS, M.Phil	Associate Professor
		DrAsmatShaheen	BDSMPhil	AssistantProfessor
		Dr. Muhammad Akbar Khan	MBBS	Lecturer
		Dr. Fozia	MBBS	Lecturer
		Dr. Aneela Mehr	MBBS	Lecturer
4.	Pathology	Dr.AzizMarjan	MBBSM.Phil	Professor
		Dr.AkhtarMunir	MBBSM.Phil	Associate Professor
		Dr. Tahira Atta	MBBS, M.Phil	Assistant Professor
		Dr. Nowshad Asim	MBBS	Lecturer
		Dr. Salimullah	MBBS	Lecturer
		Dr. Abid Nawaz	MBBS	Lecturer
		Dr Fauzia khan	MBBS	Lecturer
5.	Pharmacology	DrMohammadSajid	MBBSFCPS	AssociateProfessor
		Dr Mohammad Ashraf	MBBSFCPS	AssistantProfessor
		Dr. Syed Ayaz Shah	MBBS	Lecturer
6.	Forensic Medicine	Dr. Safdar Muhammad Khan	MBBS, DMJ	Assistant Professor
		Dr. Yasir Ahmed	MBBS	Lecturer
		Dr. Syed Muhammad Obaida Shah	MBBS	Lecturer
7.	Community Medicine	Dr. Hamid Hussain	MBBS, MPH	Associate Professor
		Dr.UmarHayat	MBBS,MPH	Associate Professor
		Dr. Syed Muhammad Irfan	MBBS	Lecturer

8.	Medicine	Dr.AsgharKamal	MBBSFCPS	Professor
		Dr. Saddiq Ur Rehman	MBBS, FCPS	Professor
		Dr.AkhtarSherin	MBBSFCPS	Associate Professor (In-

				chargeCollegeMagazine&Journal)
		Dr. Syed Fahim Shah	MBBSFCPS	Associate Professor
		Dr.NafeesaTahir	MBBSFCPS	Associate Professor (In-chargeSports & CultureWing Female)
9.	Surgery	Professor Dr. Salim Khattak	MBBS, FCPS	Principal/Chief Executive
		Dr. Farid Anwar	MBBS, FCPS	Professor
		Dr.MohammadTahirBangash	MBBSFCPSFRCS(UK)	Professor
		Dr.FazalAhmad	MBBSFCPS	Associate Professor
		Dr.QaziTahiruDin	MBBSFCPS	Associate Professor (In-chargeSports & CultureWing)
		DrMohammadNasir	FCPS	AssistantProfessor
		Dr. Sarfraz Khan	MBBS, Master of Surgery (Neuro Surgery)	Assistant Professor
10.	Gynae/Obs	Dr.MusarratJabeen	MBBSFCPS	Professor
		Dr.FouziaGul	MBBSDGOF CPS	Professor
		Dr.NoorNasirKhattak	MBBSFCPS	AssociateProfessor
11.	Radiology	Dr Mehmood Akhter	MBBS,MCPs,FCPS	AssistantProfessor
12.	Pediatrics	Dr. Syed Sajid Munir	MD (Romania), FCPS	AssistantProfessor
		Dr. Ameena Saba	MBBS, FCPS	Assistant Professor
		Dr Mehr Ali	MBBS, FCPS	visiting
		Dr Khalid Mehmood	MBBS, FCPS	visiting
13.	Ophthalmology	Dr.LalMuhammad	MBBSFCPS	Professor
		Dr. Mohammad Alam	MBBSFCPS	Assistant Professor
		Dr.Awlia Jan	FCPS	AssistantProfessor
14.	ENT	Dr. Fazal Sattar	MBBS, FCPS	Professor
		Dr.KhalidQayyum	MBBSDLOFCPS	Associate Professor
		Dr.ArshadFarzooq	MBBSFCPS	Associate Professor
		DrKhalilAsad	MBBS, FCPS	AssistantProfessor
		Dr. Zafar Hassan	MBBS, FCPS	Assistant Professor
15.	Psychiatry	Dr.ShajaatAliKhan	MBBSFCPS	AssociateProfessor (In-chargeStudentCounselingCell)
16.	Orthopedics	Dr Tauseef Raza	MD, PhD	Assistant Professor
		Dr Shahid Ahmed Afridi	MBBS, M.Sc (Orthopedics)	Assistant Professor

COURSE OF STUDIES FOR MBBS

The course of studies for MBBS is five academic years. The duration of each academic session will be 9 months including preparatory holidays and examination.

FIRST YEAR MBBS HOURS 1ST PROF			
1.	Anatomy	250	Hours
2.	Physiology	250	Hours
3.	Biochemistry	100	Hours
4.	Islamic&PakistanStudies	25	Hours
5.	BehaviouralSciences	05	Hours
6.	Pathology	15	Hours
7.	CommunityMedicine	25	Hours
8.	MedicineincludingPsychiatry& Dermatology	25	Hours
9.	PaediatricsMedicine	05	Hours
10.	Surgeryincluding,Orthopaedics&Anaesthesia	25	Hours
11.	Obstetrics&Gynaecology	10	Hours
12.	Ophthalmology(Eye)	05	Hours
13.	Otorhinolaryngology(ENT)	05	Hours
14.	Radiology	05	Hours
SECOND YEAR MBBS HOURS 2ND PROF			
1.	Anatomy	250	Hours
2.	Physiology	250	Hours
3.	Biochemistry	100	Hours
4.	Islamic&PakistanStudies	25	Hours
5.	BehaviouralSciences	05	Hours
6.	Pathology	25	Hours
7.	CommunityMedicine	25	Hours
8.	MedicineincludingPsychiatry& Dermatology	30	Hours
9.	NuclearMedicine	10	Hours
10.	PaediatricsMedicine	10	Hours
11.	SurgeryincludingOrthopaedics&Anaesthesia	25	Hours
12.	Obstetrics&Gynaecology	10	Hours
13.	Ophthalmology	10	Hours
14.	Otorhinolaryngology	10	Hours
15.	Radiology	10	Hours

THIRD YEAR MBBS HOURS 3RD PROF			
1.	Pharmacology	300	Hours
2.	Pathology	260	Hours

3.	ForensicMedicine	100	Hours
4.	BehaviouralSciences	05	Hours
5.	CommunityMedicine	50	Hours
6.	MedicineincludingPsychiatry& Dermatology	120	Hours
7.	PaediatricsMedicine	15	Hours
8.	SurgeryincludingOrthopaedics&Anaesthesia	120	Hours
9.	Obstetrics&Gynaecology	50	Hours
10.	Ophthalmology	15	Hours
11.	Otorhinolaryngology	15	Hours
FOURTH YEAR MBBS HOURS 4TH PROF			
1.	Pathology	200	Hours
2.	CommunityMedicine	150	Hours
3.	Ophthalmology	70	Hours
4.	Otorhinolaryngology	70	Hours
5.	MedicineincludingPsychiatryandDermatology	200	Hours
6.	NuclearMedicine	10	Hours
7.	PaediatricsMedicine	50	Hours
8.	SurgeryincludingOrthopaedics&Anaesthesia	200	Hours
9.	Obstetrics&Gynaecology	90	Hours
10.	Radiology	10	Hours
11.	BehaviouralSciences	05	Hours
12.	Clinico-PathologicalConference	60	Hours
FINAL YEAR MBBS HOURS 5TH PROF			
1.	MedicineincludingPsychiatry& Dermatology	360	Hours
2.	PaediatricsMedicine	70	Hours
3.	SurgeryincludingOrthopaedics&Anaesthesia	360	Hours
4.	Obstetrics&Gynaecology	130	Hours
5.	Radiology	15	Hours

Note:Theexaminationinthesubjectof Eyeand ENTwillbeshiftedfrom Finalyearto 4thyearforthe students admittedinsession2008-09.

TOTAL HOURS			
1.	Anatomy	500	Hours
2.	Physiology	500	Hours
3.	Biochemistry	200	Hours
4.	Islamic&PakistanStudies	50	Hours
5.	BehaviouralSciences	25	Hours
6.	Pharmacology	300	Hours
7.	Pathology	500	Hours
8.	ForensicMedicine	100	Hours
9.	CommunityMedicine	250	Hours
10.	MedicineincludingPsychiatryandDermatology	800	Hours
11.	PaediatricMedicine	150	Hours
12.	NuclearMedicine	20	Hours
13.	Surgeryincluding,Orthopaedics&Anaesthesia	800	Hours
14.	Radiology	40	Hours
15.	Obstetrics&Gynaecology	300	Hours
16.	Ophthalmology(Eye)	100	Hours

17.	Otorhinolaryngology(ENT)	100	Hours
18.	Clinico-PathologicalConference	60	Hours

ELIGIBILITY FOR EXAMINATION:

A student shall be eligible to appear in a professional examination if he/ she fulfill the following conditions:

- Has passed all the medical subjects of the previous examination.
- Has undergone the specified period of theoretical and practical courses and clinical training including demonstrations for the said examination to the satisfaction of the Department concerned.
- No student is eligible for university examination without having attended at least 75% of the total of lectures, demonstrations, tutorials and practical/ clinical work in both in-patients and out-patients separately, in that academic session.
- His/her name is submitted to the Controller of Examination by the Principal on clearance by the Head of Department/teacher concerned.
- Has satisfactorily undergone the prescribed courses in theory, practical and clinical work extended over a period of 03 years after passing 2nd Professional examination before appearing in Final Professional examination.
- Maximum of Four chances available or un-availed will be allowed to a student to clear first Professional MBBS/BDS Examination. If a student fails to pass first Professional MBBS/BDS in stipulated four chances, his/her name will be struck off from the college. He/she will be considered ineligible to undertake MBBS/BDS studies anywhere in the country.
- Ineligibility due to shortage of attendances shall not affect the application of this clause.
- Has paid the requisite fees for the examination to the KMU and cleared all the college/ hostel dues.
- Any student who fails to clear the 2nd Professional MBBS/BDS examination in FOUR chances available or un-availed after becoming eligible for the examination shall cease to become eligible for further medical education in KIMS. Ineligibility due to shortage of attendances shall not affect the application of this clause.
 - Any student who fails / is detained in a 1st and 2nd Professional Examinations, both in annual and supplementary in any subject (s) shall not be eligible for promotion and admission to the next higher class until he / she passes the failed subject as per procedure.
 - He/she shall undergo full course of studies (both theory and practical) in the subject (s) in which he/ she failed/ detained with subsequent class and completes at least 75% attendance.
 - There will be no provisional promotion in such cases. These students shall not be allowed to attend the next higher classes. Any attendance of such students marked in the higher class without promotion would be of no legal effect.
- Any student who fails in any medical subject(s) of 1st Professional and 2nd professional examination and does not avail two consecutive chances will have to clear all the subjects in the subsequent chance. However, there is no bar on the number of chances in 3rd, 4th and 5th Professional examinations.
- A student who fails in one or more subjects shall reappear in the subject(s) in which he / she has failed and shall pay the requisite fee for the said examination to the KMU.
- A student, who is eligible to appear in the examination but did not take examination for whatever reason, shall be considered to have failed.
- Only two examinations, one annual and one supplementary are allowed in any one academic year. No three or extra supplementary/annual examination is permitted.
- Under no circumstances, a candidate is allowed to appear in two Professional examinations in one academic year.

15. A student who has passed his/her MBBS/BD examinations shall be entitled to the degree of Bachelor of Medicine and Bachelor of Surgery (MBBS) & Bachelor of Dental Surgery from the KMU provided that he/she has conformed to the requirements, in vogue, of Pakistan Medical and Dental Council which may be changed from time to time.
16. A student who has discontinued his/her studies for a period of 5 years or more will not be allowed readmission. If he/she wants readmission before that period he/she will be allowed to continue his/her studies from the class he/she left. However, the validity of an examination will be for 03 years. After 03 years the student has to take the last professional examination.
17. The Principal will not forward the examination form of any student unless he/she produces a clearance certificate from the college cashier, hostel warden and the college librarian.



FEE STRUCTURE FOR MBBS SUBSIDIZED CATEGORY

S. No.	Fee Structure	First Year	2nd Year	3rd Year	4th Year	5th Year / Final Year
1.	Fee	123100	105000	105000	105000	105000
2.	PMDC Reg Fee	3000	--	--	--	--
3.	Exam Fee	As per examination rules				

Fee for MBBS Semi Subsidized Category Rs. 450,000 per Annum.

Fee For MBBS Foreign Self Finance Category Us \$ 6500 Per Annum.

In pursuance of the Federal Board of Revenue letter No. 204 dated 12-09-2013, notified vide KMU Notification No. 4576/KMU/Dir/AA&QA/F-9 dated 22-10-2013, the competent authority is pleased to implement the amendments made in the Income Tax Ordinance 2001, to collect withholding tax @ 5 % on the student's fee exceeding Rs. 200,000/- per annum effective from July, 2013.

1. All the students must pay their fees within one month after the declaration of their result of that class. Those who fail to deposit fees within the stipulated period, a fine as prescribed from time to time will be charged in addition to the college fee and other subscription.
2. Fines once levied will not be condoned.
3. At the end of one month period, if the fees are not paid in full, the name of defaulter will be struck off the college roll and readmission will only be given after payment of readmission fee in addition to the original fee and other subscriptions.
4. **MBBS/BDS:** In pursuance of the Pakistan Medical & Dental Council, Islamabad letter No. 30-Misc (detained student fee)/Council-2014/268510 dated 06.01.2015. The fee charged to the detained student (MBBS/BDS) shall be one third (1/3) of the total annual tuition fee as per PM&DC regulations (for the each failed subject). In case if a student is failed in all subjects 75% of annual tuition fee shall be charged.
5. All those students who have passed/failed in supplementary examination must seek their admission/readmission forthwith just after the declaration of their result of their classes. All those students who failed to comply with the above rule will not be allowed to attend the classes or appear in the subsequent examination.
6. Fee once paid shall not be refunded, but in the case of student who was prevented by illness or other

reasons beyond his/her control from attending the college for most of the year for which he/she may be exempted from payment of the whole or part of amount of fee for the year in which such a student re-joins the college.

7. The name of a student, who has not paid/cleared all the dues of the college, will not be entered in the admission register, nor will he/she be allowed to attend the classes or appear in the examination.
8. If the security deposit is not claimed within a period of six months of the date of leaving the college, then it shall not be refundable and will be credited to the benevolent fund maintained by the college for its students.
9. Tuition Fee refund if any will be carried out according to Khyber Medical University Fee Refund Policy.

Note:

- a. Any seat left vacant in the Foreign Self Finance category will be converted on open merit. Admission will be offered to candidates on the waiting list. However the candidates will have to pay a fee of US\$ 6500 per annum
- b. In case of no applicants in category (a). The seats will then be converted to Semi-Subsidized and offered to local applicants on merit basis. Admission will be offered to candidates on the waiting list. However, selection will be made purely on merit basis.
- c. In case of no applicants in category (a & b). The seats will be widely advertised in daily news papers, offering admission to candidates of KP, FATA & PATA on self finance basis with a fee of US \$6500 per annum. However, selection will be made purely on merit basis.

EXTRA CURRICULAR ACTIVITIES

The students are encouraged to take active part in the extracurricular activities to ensure "Healthy Body, Healthy Mind". The following societies of the students are active in the KIMS.

- Literary society
- Sports society
- Social Welfare Society
- Hiking Club



DRESS CODE

Students are expected to appear in a decent and sober outlook. To achieve this, the following will be the dress code. It must be followed by all students during lectures, practical, tutorials, seminars, outdoor and indoor hospital duty and in all Institute functions. Uniform is compulsory whenever the student visits the Institute either taking classes or not. The students must wear white coat while attending laboratories, dissection hall and hospital.

FEMALE STUDENT'S DRESS CODE

Maroon color shirt, white shalwar, white dupatta/Shawl, Black shoes and white long overall up to knee length.

MALE STUDENT'S DRESS CODE

Dress Shirt- Dress Pants- Court Shoes.

Shalwar Qamiz- Peshawari Chappal. White Coat/Overall where demanded.

Kito Style Footwear will be strictly prohibited.

Strapless Footwear-

MOBILE PHONE USE

Use of mobile phone during working for students in the classes, practical and other teaching activities is strictly prohibited. Mobile set with camera is strictly forbidden all the time, if found will be confiscated.

Every student and the parent/guardian of the student shall give the following undertaking after confirmation of their admission.

UNDERTAKING / AGREEMENT [1]

(To be filled by the candidate on Judicial Bond of Rs.30/- and duly attested by the Deputy Commissioner/
Political Agent/DCO/First Class Magistrate).

IMr./Miss. _____ Son/Daughter/Wife of _____
Resident of _____

Do hereby solemnly undertake to abide by the following:

- i. That I have read the Prospectus of KIMS and hereby agree to conform to all provisions of the rules and the statutes/rules as may hereafter be framed by the appropriate authorities.
- ii. That the information furnished in, and documents attached with the application form, are correct, and I fully understand that at any time during the course of my study, if it is found that any information is in-correct or any document produced at the time of admission is false, which would have rendered me ineligible for admission under the rules, my name shall immediately be struck off the institute roll.
- iii. That I shall, in case my name is struck off under clause (ii) above, not be entitled to claim refund of any fee paid by me. In addition I shall pay to the Principal as liquidated damages at the rate of Rs.100,000 (one Lac) per year of my studies in KIMS.
- iv. That I shall, have minimum attendance of 75 percent, diligently apply myself to acquire and develop the skill necessary for the practice and advancement of my study in order to qualify for examination and I will not be promoted to the next higher class unless I have cleared all the subjects.
- v. That I shall maintain identity as a student of the institute by wearing Institute uniform. I shall participate fully and wholeheartedly in games and extracurricular activities.
- vi. That hostel accommodation will be provided subject to availability, in case of non-availability of hostel accommodation, I will not ask for any accommodation.
- vii. That I will not indulge in politics of any type and will not be a member of any political party/organization/students Federation, holding a gathering, meeting or taking out procession in any part of Campus. I understand that my failure to observe this clause of undertaking would result in cancellation of my admission/expulsion from the Institute, and that the decision of the authorities concerned will be final.
- viii. That I shall never use violence, threat of violence and pressure in any dispute with others, all means and methods shall only be logic, persuasion, petition, appeal, revision, review and other legal and peaceful method for settlement of differences and disputes.
- ix. That in any dispute with students, teachers and employees of the institute I shall accept the judgment of the committee constituted by the principal for decision of settlement of the wrongdoers.
- x. Further, I do hereby solemnly undertake to refrain from:-
 - a. Doing anything which may cause injury or insult to head, teacher, officers and other staff of institution.
 - b. Holding a gathering, meeting and taking out procession in any part of Campus other than as specified for the purpose.
 - c. All kinds of unfair means in examination.
 - d. Allowing or abetting the entry to the premises of the Institute of expelled students, anti-social elements or others whose presence in the Campus could cause conflict among the students.
 - e. Bringing into the Campus, consuming or encouraging consumption of alcoholic products, drugs and narcotics and indulging in acts of moral turpitude.

- f. Bringing or keeping any type of weapons within the University/ Institute premises.
 - g. Using or occupying any room or part of any building of the Institution without lawful authority.
 - h. Subletting any hostel room to unauthorized persons.
 - i. Damaging any University/Institute property including building, equipment and vehicles etc. in any manner.
 - j. Indulging in any violent or any other unsuitable activities even outside the Institute, which may bring bad name to the Institute.
 - k. From all such acts and deeds as might bring disgrace and bad name to the Institute.
- xi. In case I am reported to be guilty/ involved in any of the aforesaid activities during my stay in the medical Institute, the Institute authorities can rusticate me from the Institute temporarily or expel me permanently. I will not try to create law and order situation or instigate the students of the Institute or of any other institution against the action taken by the Institute and furthermore I will not go to any Court of Law in this regard. In case of my expulsion from Institute I shall pay to the Principal as liquidated damages at the rate of Rs.100,000 (one Lac) per year of my study in the Institute.
 - xii. If it is reported that I have not honored the decision of the Institute authorities as described above, I shall be liable to pay Rs.2,00,000/- (Two Lac) per year of my study in the Institute as damages to the Khyber Medical University
 - xiii. In case there is any dispute between me on one hand and the administration of the Institute on the other hand regarding my involvement in a disciplinary or political matter or regarding the imposition of any penalty or damages on me, the matter shall be referred to the Principal, as the sole arbitrator and his decision in such capacity shall be final and shall not be challenged in any court of law.
 - xiv. I will abide by the decision of the Institute Authorities, in case I am found guilty of indiscipline, defamation, disrespect of the Staff and other anti-institutional activities. Moreover, I will abide by the rules and decisions regarding the house job.
 - xv. I understand that if it is found that I was not entitled for admission according to the KIMS Admission policy at any stage of MBBS course or if it is found that I was not entitled for admission in preference to the other candidates who applied for admission, my admission will stand canceled.
 - xvi. I solemnly declare that I do not have a double domicile certificate.

Signature of the Student: _____

Name: _____

CNIC No / Computerized Form – B No: _____

Father's Name: _____

CNIC No: _____

Permanent Address: _____

Present Postal Address: _____

Dated: ____/____/____

To continue from next page
UNDERTAKING / AGREEMENT [2]

To be filled by father/mother/husband/guardian of the candidate on Judicial Bond of Rs.30/- and duly attested by the Deputy Commissioner Political Agent/DCO/First Class Magistrate).

I _____ Son/Daughter/Wife of _____
and Father/Mother/Husband/Guardian of _____
hereby fully endorse the undertaking given by my Son/Daughter/Wife/Ward and assure that he
/she will abide by this undertaking during his/her stay in the Institute.

- i. I also make myself liable to pay Rs.1,00,000 (one hundred thousand) per year of his/her study in the Institute in case of any breach of the above mentioned undertaking by my Son/Daughter/Wife/Ward, Mr./Miss. _____.
- ii. I _____ Father/Mother/Husband/Guardian of Mr./Miss _____ assure that my Son/Daughter/Wife/Ward will not indulge in politics of any type and will not be a member of any political party/organization/students Federation nor will he/she attend any meeting of such organizations. Such involvement on his/her part may lead to his/her expulsion from the Institute, and that the decision of the Principal in this regard will be final.

DEPONENT

Signature: _____
Full Name: _____
CNIC No: _____
Father's Name: _____
Present Postal Address: _____

Witness-1	Witness-2
Signature: _____	Signature: _____
Name: _____	Name: _____
CNIC No: _____	CNIC No: _____
Father's Name: _____	Father's Name: _____
Present/Postal Address: _____	Present/Postal Address: _____
_____	_____
Permanent Postal Address: _____	Permanent Address: _____
_____	_____

ATTESTED

Signature and Stamp of Political Agent/First Class Magistrate

AFFIDAVIT FOR GUARDIANSHIP

(To be filled on stamp paper of any denomination) (TO BE PRODUCED ON STAMP PAPER)

I _____ Son/Daughter/Wife of _____ do
hereby solemnly declare that my father has died in the year _____ and
_____ is my guardian.

1. Signature of candidate: _____

Name of Candidate: _____

CNIC No. of candidate: _____

2. Signature of Guardian: _____

Name of Guardian: _____

CNIC No. of Guardian: _____

CERTIFICATE OF LOCATION OF EDUCATIONAL INSTITUTES
(To be submitted by the candidates applying against FATA IN seats)

Office of Executive District Officer (Education) District/Agency/FR: _____

Certified that Mr./Ms. _____ S/O, D/O _____ has
been studying in the District/Agency/FR of _____ as follows:

Class	Full Name of School/College	Year (From-	Board
Primary(1-5)			
Middle(6-8)			
Matric(9-10)			
F.Sc Part-I(11)			
F.Sc Part-II(12)			

Signature of EDO (Education)
With official stamp

Verified by the DCO of concerned District/FR or PA of Agency

DCO/PA: _____
With official stamp

STUDY COMPLETION BOND

To be filled by the student on Stamp paper of Rs.30/- and duly attested by First Class Magistrate/Political Agent/Oath Commissioner in the presence of two witnesses.

I _____ S/O/D/O/W of _____ hereby solemnly affirm that I will complete the whole tenure of my study of five years MBBS Program in KIMS. I will not seek admission in any other medical institute nor will I reappear in ETE at any stage of my study tenure.

If further agree to the provision that my original documents shall remain in _____ safe custody with KIMS till the completion of my study tenure and I shall not demand for its return back to me before the completion of my study tenure.

In case, I intend to cancel my admission at any stage of my study period, after the closure of admission, I shall be liable to a penalty of Rs.400,000/- (Four Hundred Thousand) for wasting a precious seat. The original document will be returned to me only after the payment of the due penalty.

Signature of Student: _____

Name of Student: _____

Father's Name of the student: _____

CNIC# of the student: _____

Present Postal Address: _____

Permanent Address: _____

Witness-1
Signature: _____

Witness-2
Signature: _____

Name: _____

Name: _____

CNIC No: _____

CNIC No: _____

Father's Name: _____

Father's Name: _____

Present/Postal Address: _____

Present/Postal Address: _____

Permanent Postal Address: _____

Permanent Address: _____

Signature and Stamp of

First Class Magistrate/Political Agent/Oath Commissioner: _____

PICTURE GALLERY

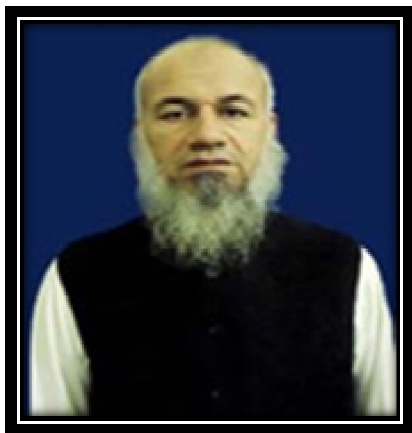


PROSPECTUS

**KHYBER MEDICAL UNIVERSITY INSTITUTE OF
DENTAL SCIENCES, KOHAT**



2015-16



INTRODUCTION

The idea of Khyber Medical University Institute of Dental Sciences (KIDS) Kohat, to be there in southern districts of KP, was conceived by Khyber Medical University (KMU), launching the dental wing of KIMS in January, 2013, with 50 students, with the aim to provide oral and dental health facilities to the community and the adjoining tribal areas of this particular region, spanning from Dera Ismail Khan to Kohat. In mid 2014, this dental wing became an independent college, named as Khyber Medical University Institute of Dental Sciences (KIDS) Kohat, housed in the ground floor of FEFA building, KDA Kohat and was recognized on March 12th 2015 by Pakistan Medical & Dental Council Islamabad.

It has fully independent administrative and faculty staff for the smooth operational and academic activities respectively. Construction of its new building along with that of the KIMS including residential area for the faculty and students will soon be launched in KDA Kohat, as the land has already been acquired in KDA Kohat.

KIDS is fully equipped with the latest dental armamentarium so as to meet the needs of the students and patients alike. It has its own dental hospital with 75 newly installed dental units and all its accessories. All the training tools are in place. It has two affiliated dental centers, one in DHQ KDA Kohat and the other in W&C LMH Kohat, which are located within the sphere of one kilometer. For teaching of basic sciences, KIDS has an independent medical faculty of KIMS being nominated for BDS students by KIMS/KMU. To shift students from KIDS to KIMS or Wards, a shuttle bus service of KIDS is available both day in and day out, without any major problem.

To keep the students and faculty well abreast with the current dental updates and research, they are proactively engaged and encouraged to participate a step ahead of the other sister dental colleges of the province as well as of the country. Regular CPCs are held on fortnightly basis as part of continuing dental education. For this general dental practitioners of the region are eager to avail this golden opportunity as part of the requirements of PMDC.

ADMISSION POLICY

General Policy Important Notes

All candidates must study this prospectus thoroughly before applying for admission to KIDS.

1. KMU-IDS, Kohat offers 4 years course leading to BDS degree.
2. A Joint Admission Committee constituted by Vice Chancellor KMU comprising of Principal KIMS and Principal KIDS will supervise the overall process of admission in MBBS/BDS degree program.
3. The Vice Chancellor shall be the final authority to accord approval to the admission & listen to appeals by intending candidates who could not be recommended for admission due to deviance of KMU rules.
4. Intending students will submit applications for admission on prescribed forms to be downloaded from website of KMU (www.kmu.edu.pk). The form must reach the office of the Principal KIMS on or before the due date within official duty hours.
5. The fee and subscription given in this prospectus are payable by all the students of KIMS. This may be subject to adjustment by the KMU from time to time corresponding to inflation and cost of education etc.
6. The Vice Chancellor reserves the right to make necessary changes in the syllabi and examination procedure for MBBS/BDS students as and when notified by PMDC and HEC at any time during the course of studies.
7. Incorrect information or suppression of facts in application form shall entail refusal of admission.
8. A student convicted of any offence and/or having served a sentence in jail will not be eligible for admission.
9. The candidates shall have to keep themselves informed of the prescribed date of interview/admission. No separate call letters will be issued for interviews or admission confirmation. The provisional merit list will be displayed on the KIMS Notice Board and KMU website (www.kmu.edu.pk) on the scheduled dates as mentioned in the admission advertisement.
10. Admission will be given after the deposition of prescribed fees and medical fitness certificate.
11. Candidates selected for admission shall be required to finalize the admission requirements i.e. fees/dues etc within the prescribed period, failing which his/her right to admission will be given to the next candidate, from the waiting list.
12. No candidate will be considered admitted unless she/he pays the fee and dues.
13. Absence from classes for four consecutive weeks from the date of admission without any genuine reason shall entail cancellation of admission.

SEATS DISTRIBUTION

A total of 50 seats in BDS are offered in KMU-IDS Kohat. The distributions of the seats are as follow:-

Program (BDS)	
Allocation	No. of Seats
Subsidized (Open Merit) KP,PATA,FATA	37
Subsidized (FATA- IN)	01
Semi Subsidized (Open for all KP,FATA,PATA)	09
Foreign Self Finance	03
Total	50

Note:

1. Subsidized open merit seats are open to applicants possessing valid domicile certificate of KP, PATA and FATA.
2. 03 seats are reserved for FATA-IN candidates possessing valid FATA domicile certificate.
 - i. Admission to **FATA-IN** seats will be made purely on the basis of **inter se merit** among the contesting **FATA-IN** candidates.
 - ii. Admission of FATA candidate to KIMS shall be in conformity to rules and regulations of SAFRON/FATA secretariat Khyber Pakhtunkhwa.
 - iii. FATA candidates shall apply against subsidized as well as on semi-subsidized seats.
3. Admission to seat of **FATA-IN** shall be made on the basis of the following priority of obtaining uninterrupted education [not passing exam] within the FATA.

The following criteria of priority shall be applicable to **FATA-IN** candidates

 - a. Class 1 to F.Sc pre-medical (both part-I and II).
 - b. Class 1 to Matric with science (both 9th and 10th) & F.Sc from anywhere outside FATA.
 - c. Class 1 to Middle and Matric & F.Sc from anywhere outside FATA.
4. In case of non availability of candidates from the given list of priorities, then admission shall be granted on the basis of open merit.

FOREIGN SELF FINANCE SEATS:

The applicant will be eligible for admission on Foreign Self-finance seats if:

- i. He/she holds a permanent foreign nationality and also fulfills the admission criteria laid down by Higher Education Commission, Government of Pakistan, Islamabad.
- ii. He/she should also fulfill the admission criteria of Khyber Pakhtunkhwa public sector medical/dental colleges.
- iii. The selected candidates against these seats must report to the concerned college at least 15 days in advance from commencement of classes.
- iv. Any seat left vacant in the Foreign Self Finance category will be converted on open merit. Admission will be offered to candidates on the waiting list. However the candidates will have to pay a fee of US\$ 6500 per annum.
- v. In case of no applicants in category (iv). The seats will then be converted to Semi-Subsidized and offered to local applicants on merit basis. Admission will be offered to candidates on the waiting list. However, selection will be made purely on merit basis.
- vi. In case of no applicants in category (iv & v). The seats will be widely advertised in daily news papers, offering admission to candidates of KP, FATA & PATA on self finance basis with a fee of US \$6500 per annum. However, selection will be made purely on merit basis.

ELIGIBILITY CRITERIA FOR ADMISSION

All the candidates applying for admission in MBBS/BDScourses must fulfill the following requirements.

5. QUALIFICATIONS:

The candidates applying for admission against any category of seats must have passed the F.Sc. (Pre-Medical) examination from any Board of Intermediate and Secondary Education in Pakistan in 1st Division with at least 60% unadjusted marks.

OR

Passed an examination of Foreign University/Board other than Afghanistan which, in scope and standard is found equivalent to the F.Sc (Pre-Medical) examination of Pakistan, subject to the following:

- The examination is recognized as equivalent to F.Sc (Pre-Medical) by the Inter Board Committee of Chairmen (IBCC), Islamabad. It shall be the responsibility of the candidates to settle their cases with IBCC and get clearance certificate from IBCC, Islamabad for recognition of their qualifications.
- The equivalence certificate must be attached with the application form before the final closing date.
- Provisional equivalence certificate issued by the IBCC may be entertained for admission. However, confirmation of candidates' admission will be subject to production of proper equivalence certificate issued by the IBCC.
- The candidate has obtained marks equal to unadjusted 60% of F.Sc. total marks according to the formula laid down by the IBCC, Islamabad.
- The equivalence certificates of such candidates will not be accepted if they have not studied and passed the subjects of Physics, Chemistry and Biology in their 9th, 10th, 11th and 12th Grade, O & A level or other equivalent examination recognized by the IBCC. They must have passed English as a subject at O or A level.
- Only the Converted Marks Certificates issued by the IBCC will be accepted. The equivalence of marks will be on the basis of a certificate issued by IBCC.

6. ENTRANCE TEST:

- The candidate must have appeared in the entrance test of ETEAKP for the current academic year. There will be no passing marks but appearance in the test is mandatory.
- The result of the test will be valid for the current academic year only and the result of the previous year will not be considered for the current session.
- A candidate appearing in the entrance test cannot claim admission against any seat unless he/she fulfill other criteria specified in the admission policy.

7. POSSESSION OF VALID DOMICILE CERTIFICATE:

- The candidate and his/her father must possess a valid domicile certificate of concerned area.
- The domicile certificate once submitted with the admission form cannot be changed and shall be considered as final.

Weight for preparation of final merit list. EXAMINATION/TEST	WEIGHTAGE
SSC or equivalent level examination	10%
Adjusted marks in F.Sc. or equivalent examination	40%
Entrance Test	50%

Example:

A candidate has obtained marks:

- SSC or Equivalent qualification $870/1050 = 82.85\%$
- Adjusted F.Sc. marks or equivalent level marks $920/1100 = 83.63\%$

iii. EntranceTestMarks

380/ 800=47.50%

His/Her merit will be calculated as follows:

Examination		Weightage		Factor Marks
a. SSC	=	82.85x 0.1	=	8.28
b. F.Sc	=	83.63x 0.4	=	33.45
c. EntranceTest	=	47.50x 0.5	=	23.75

Merit score of the candidate = a+b+c= 8.28+ 33.45+ 23.75= 65.48

Final calculation in percentage will be rounded up to two decimal points.

8. AGE:

There is no lower or upper age limit for admission in KIDS, Kohat.

Note: Whenever two or more candidates are bracketed equal in the final merit list, the older by age candidate will be preferred over the younger one. In case the tie continues, the one having better marks in F.sc. shall be preferred. If the tie still continues then the candidate with better marks in entrance test shall be given preference.

Admission of the candidate will be cancelled if:

- It is found at any stage of MBBS/BDS course that the candidate was not entitled for admission according to the KIMS/KIDS admission policy.
- Candidate is found medically unfit at any stage of MBBS/BDS course.
- Candidate fails to report for admission and fails to deposit the fee within due period.
- Any document, information provided by a candidate is found false/fake or fabricated at any stage of MBBS/BDS course.
- It is found that candidate was not entitled for admission in preference to the other candidates who applied for admission at any stage of MBBS/BDS course.

DOCUMENTS REQUIRED WITH APPLICATION FORM

Application forms will be made available at the KMU website (www.kmu.edu.pk).

The documents & certificates must be attested by a gazetted government officer. The stamp of the officer must bear his/her full name, designation and current place of duty. Selected candidates shall have to submit all original certificates at the time of interview/admission.

The original documents of these selected candidates will be retained by the College and returned only at the time of leaving the Institution. The application forms and photocopies of the documents submitted by the candidates, not selected, will not be returned to them.

Applicants must attach with application forms attested photocopies of the following certificates and documents in the given sequence

- Secondary School Certificate issued by the concerned board (not school)/equivalence certificate.
- 02 copies of Detailed Marks Certificate of F.Sc on the basis of which admission is sought.
- Anequivalence certificate from the IBCC, Islamabad, if the qualifying certificate is from an Institute abroad.
- 01 copy of Computerized National Identity Card of the candidate/Computerized Form-B. Photocopy of both sides of the CNIC should be taken on the same side of a full page.
- 01 copy of CNIC of the father of the applicant, if the father is not alive then a copy of the CNIC of the mother or guardian [see instruction for the CNIC of the candidate].
- 02 Copies of Domicile certificate of the candidate.
- 01 copy of Domicile certificate of father of the applicant. If the father is not alive, then the death certificate of the father issued by the municipal authority/hospital, along with the domicile certificate of the mother showing clearly her spouse name, have to be submitted. In case the spouse name is not written in the mother's domicile certificate then the domicile certificate of the brother may be submitted. A guardianship certificate shall also be submitted in such cases [specimen of guardianship certificate is

- given at the end of prospectus].
- viii. 01 copy of Attempt certificate from the concerned BISE only if the period between SSC and F. Sc. is more than two academic years.
 - ix. Three passport size colored photographs of the applicant attested on the back.
 - x. FATA- IN candidates must attach a certificate, issued by the Headmaster/Principal of the concerned school/college & duly countersigned by the concerned EDO Education, clearly showing the date of admission to and discharge from the school/college and also the exact duration of stay in the institute and location of institute as per specimen in the Prospectus.
 - xi. Hafiz-e-Quran certificate from a Registered Madrassa if the candidate claims to be Hafiz-e-Quran.
 - xii. Original Undertaking on judicial stamp paper of Rs. 30/- duly attested by Deputy Commissioner / Political Agent as per specimen given in the prospectus/admission form [only for admitted candidates].
 - xiii. 01 copy of affidavit regarding completion of study in KIMS as per specimen in the Prospectus.

WARNINGS

1. Incomplete application form and form carrying false statement will be rejected.
2. Revision of result or improvement of marks by the board/IBCC after the finalization of merit list shall not affect the merit list of admission of current year in anyway. Any certificate issued after the dates fixed for final merit list display shall not be entertained.
3. If any certificate submitted by the candidate is found false or forged during his/her study period, his/her admissions shall be cancelled forthwith and further legal action can be taken against the student under the existing criminal laws.

SCRUTINY COMMITTEE

The Principal KIMS shall constitute a scrutiny committee, which will scrutinize the documents of all candidates.

JOINT ADMISSION COMMITTEE for MBBS/BDS

1. Principal KMU-IMS, Kohat	Chairman
2. Principal KMU-IDS, Kohat	Member
3. Prof. Dr. Aziz Marjan	Member
4. Dr. Asmat Ullah, Assistant Professor	Member
5. Mr. Safdar Mehmood, OA/Incharge SAS, KMU-IMS	Secretary

ADJUSTMENT OF MARKS

The following marks will be added/deducted from the total marks of F.Sc. obtained by the candidate in order to calculate the adjusted marks. The addition or deduction shall not change the eligibility (60% in F.Sc) of the candidate.

1. Only Ten (10) marks (irrespective of the number of attempts), will be deducted for improving marks in F.Sc examination by the candidate beyond the period of two years after passing the SSC annual examination. The attempt certificate issued by the respective BISE shall be accepted as final proof of

improving marks.

2. Twenty (20) marks will be added to F.Sc. marks of a candidate who is Hafiz-e-Quran on the recommendation of committee for Hafiz-e-Quran.

COMMITTEE FOR EVALUATION OF THE CLAIM OF HIFIZ-E-QURAN:

The Principal KIMS with the approval of V.C. KMU shall constitute a four members committee including a senior teacher of KIDS and three members will be Huffaz-e-Quran to be nominated by the Principal.

This committee will test the validity of the claim of the candidate. The decision of the committee will be by consensus among the Huffaz-e-Quran and the result will be displayed the same day on the KIMS notice board.

APPELLATE COMMITTEE FOR HAFIZ -E-QURAN

If a candidate is not satisfied with the decision of the committee for Hafiz-e-Quran, he/she can appeal to the Appellate Committee for Hafiz-e-Quran within 48 hours. It shall comprise of three Huffaz-e-Quran and shall be constituted by the Vice Chancellor KMU on the request of the Principal KIMS.

SELECTION AND ADMISSION OF APPLICANTS

1. The Chairman Admission Committee will display a provisional merit list for each category of candidates. Objection, if any, be submitted in writing to the Chairman who will be competent to rectify any error or omission. The final merit list will be displayed two days before the start of interview, on KIMS notice board and KMU website.
2. The Admission Committee will interview the candidates for selection against open merit, FATA-IN seats and will finalize the merit list of all categories of candidates.
3. The list of admitted candidates shall also be displayed on KIMS notice board, after the admission is provisionally finalized.
4. No candidate will be admitted unless she/he has paid the fee and dues. All dues must be paid by the due date, otherwise next candidate on merit will be considered for admission.
5. All admissions will be provisional and shall be confirmed only after approval of the Vice Chancellor KMU. All certificates or any other documents submitted with the admission form will be subject to verification.
6. The Principal can remove a student from the college roll at any time during the course of his/her study if incorrect or wrong data had been submitted by such a candidate/ parent/guardian at the time of admission. No show cause notice will be necessary for any action under this rule, nor would the University, the Principal or any other authority be liable for damages for any action taken under this rule. Any cost of litigation accrued by the University on account of law where the fault of the candidate is proved, shall have to be paid by the candidate or his/her parent/guardian.
7. Admission fee and other dues will not be refunded to those students whose admission is cancelled due to his/her forged documents or who are rusticated/expelled/ removed from the college roll for any reason.
8. The Medical Board of the college will examine selected candidates. If a candidate is disqualified medically, he/she will not be admitted.
9. The parent(s) or legal guardian must accompany all the candidates at the time of interview.
10. If at the time of interview, an eligible candidate is not present for any category of seat, that seat will be offered to next candidate unless a very genuine reason for absence from interview on the due date or before is presented to Principal. The Principal will be the final authority to proceed further in the matter and decide the case accordingly.

ADMISSION CANCELLATION

No student is allowed to cancel his/her admission after the closure of admission date.

Submission of Affidavit (only for admitted students). All the students admitted to MBBS/BDS program in KIMS will have to submit an affidavit to the effect that he/she will complete MBBS/BDS program in KIMS and all the original documents will be retained by the college till the completion of his/her study in KIMS.

Any student, who intends to cancel admission at any stage for seeking admission in another Medical College or for reappearance in ETEA test, after the closure of admission, shall be liable to a penalty of Rs. 400,000/- (Four Hundred Thousand) for wasting of a precious seat.

Affidavit is to be recorded on Stamp Paper of Rs.30/- and duly signed by the Oath Commissioner in presence of two witnesses as per specimen given in the prospectus.

Original documents will be returned only after payment of the due penalty.

MIGRATION POLICY

Migration from and to KIDS is allowed and will be governed by the following rules and regulations:

1. Migration is allowed only from a recognized public sector medical college and not from a private medical college.
2. Mutual migration is not allowed.
3. Migration will be allowed only after the candidate has passed Second Professional Examination in another medical college.
4. Migration will be allowed only when a vacant seat is available in the total strength of the college as approved by Pakistan Medical and Dental Council.
5. Migration will be allowed only when a vacant seat is available in the corresponding class.
6. Migration will be allowed on merit among the applicants.
7. Both the Principles of the concerned dental colleges must give no objection certificate prior to the final approval by the Vice Chancellor KMU.
8. While allowing migration, the rules of PMDC must not be violated in anyway.
9. The migrating student must clear all the dues of KIMS for the year in which he/she is admitted.
10. The migration fee to be deposited in KMU account, will be Rs.50,000/- (Fifty Thousand) for student seeking migration from institution within the province and Rs.100,000/- (One Hundred Thousand) for students migrating from other provinces and abroad.

FACULTY

S.No	Subject	Name	Qualification	Designation
1	Orthodontics	Col (Retd) Prof. Dr. Hameed Ullah Jan Dr. Ayesha Iftikhar	BDS, Dip Orthod, MCPS (Orthod) FCPS (Orthod), (Pak), OJT (Orthod) (USA) BDS	Principal/Professor HOD Orthodontics Demonstrator
2	Prosthodontics	Dr. Wajid Maraij	BDS	

		Dr. YusraNabiKhattak	BDS	Demonstrator
3	Restorative Dentistry	Dr.SabahatUllahTareen Dr. Mohammad Shoaib Dr. Asma Begum	BDS, MSC BDS BDS	Assistant Professor Lecturer Demonstrator
4	Maxillofacial surgery	Dr.SaddiqueAslam Dr.Shafiq Ahmad	BDS, FCPS BDS	Associate Professor Demonstrator
5	Oral Medicine/ Periodontology	Dr.AsmatUllah Dr. Syed JaffarRaza	BDS, MCPS,FCPS BDS	Assistant Professor Lecturer
6	Oral Pathology	Dr.Syed Umar Farooq	BDS, M.Phil	Assistant Professor
7	Oral Biology	Dr. UmerNasir Dr. TehminaMarwat Dr. Maryam Imran	BDS, FCPS BDS BDS	Assistant Professor Lecturer Lecturer
8	Community Dentistry	Dr.AsimMasood Dr.Zaheer Babar	(BDS, MPH)	Assistant Professor
9	Science of Dental Materials	Dr.Hasham Khan	BDS, M.Phil	Assistant Professor
10	Anatomy	Dr. Sohail Aziz Dr. AmnaBibi Dr. Ubaid Ullah	MBBS, FCPS BDS BDS	Associate Professor Demonstrator Demonstrator
11	Physiology	Dr. Muhammad HarisRamazan Dr. Shahid Ali Shah	MBBS,M.Phil BDS	Assistant Professor Lecturer
12	Biochemistry	Dr. AsmatShaheen Dr. Muhammad WaqasLuqman	BDS, M.Phil BDS	Assistant Professor Lecturer
13	General Medicine	Dr. NafisaBatool	MBBS, FCPS	Associate Professor
14	General Surgery	Dr. Sarfaraz Khan	MBBS, FCPS	Assistant Professor
15	General Pathology	Dr.AkhtarMunir Dr.Mehtab	MBBS, M.Phil BDS	Associate Professor Demonstrator
16	Pharmacology	Dr. Muhammad Ashraf Dr. Salman Shah	MBBS, FCPS BDS	Assistant Professor Demonstrator
17	Islamiat /Pakistan studies	Maulana	Qualified religious scholar	Mudarris

COURSE OF STUDIES FOR BDS

The courses of studies for BDS are four academic years. The duration of each academic session will be 9 months including preparatory holidays and examination.

FIRST YEAR BDS HOURS (1st Prof)

Subjects	Lecture Hours	Practical hours
1. Anatomy	100	300

2.	Physiology	50	200	
3.	Biochemistry	50	120	
4.	Science of Dental Materials	75	250	
5.	Pakistan Studies/	25		
6.	Islamic Studies			
7.	Information Technology		30	
Total		300	900	=1200

SECONDYEARBDSHOURS (2ndProf)

	Subjects	Lecture Hours	Practical hours	
1.	General Pathology	50	200	
2.	General Pharmacology	50	200	
3.	Oral Biology and Tooth morphology	60	100	
4.	Community and PreventiveDentistry	40	200	
5.	Junior Operative/DentalMaterial Medical	25	110	
6.	Junior Prosthodontics	25	110	
7.	Information Technology	-	30	
Total		250	950	=1200

THIRDYEARBDSHOURS (3rdProf)

	Subjects	Lecture Hours	Practical hours	
1.	General Surgery	50	150	
2.	General Medicine	50	150	
3.	Oral Pathology	50	100	
4.	Oral Medicine & Diagnosis	50	75	
5.	Periodontology	50	125	
6.	Prosthodontics	30	120	
7.	Operative Dentistry	20	80	
8.	Oral and Maxillofacial Surgery	20	120	
Total		330	920	=1250

FINALYEARBDSHOURS (FinalProf)

	Subjects	Lecture Hours	Practical hours
1.	Prosthodontics		
	Complete Dentures	40	
	Fixed Prosthodontics	20	
	Occlusion	5	
	Maxillofacial Prosthodontics	5	

	Gerodontology	5		
2.	Operative Dentistry			
	Operative	20		
	Endodontics	10		
	Paedodontics	10		
	Crowns	10		
	Radiology	05	250	
3.	Oral and Maxillofacial Surgery			
	Oral Surgery	60		
	Anesthesia	10	250	
	Forensic Dentistry	05		
4.	Orthodontics			
	Orthodontics	40	250	
	Radiology(Cephalometry)	05		
Total		250	1000	=1250

ELIGIBILITY FOR EXAMINATION:

A student shall be eligible to appear in a professional examination if he/she fulfills the following conditions:

1. Has passed all the medical subjects of the previous examination

2. Has undergone the specified period of theoretical and practical courses and clinical training including demonstrations for the said examination to the satisfaction of the Department concerned.
3. No student is eligible for university examination without having attended at least 75% of the total of lectures, demonstrations, tutorials and practical / clinical work in both in-patients and out-patients separately, in that academic session.
4. His/her name is submitted to the Controller of Examination by the Principal on clearance by the Head of Department/teacher concerned.
5. Has satisfactorily undergone the prescribed courses in theory, practical and clinical work extended over a period of 03 years after passing 1st Professional examination before appearing in Final Professional examination.
6. Maximum of Four chances availed or un-availed will be allowed to a student to clear first Professional BDS Examination. If a student fails to pass first Professional BDS in stipulated four chances, his/her name will be struck off from the college. He/she will be considered ineligible (to undertake BDS studies anywhere in the country).
7. Has paid the requisite fees for the examination to the KMU and cleared all the college/hostel dues.
8. Any student, who fails to clear the 1st Professional BDS examination in FOUR chances availed or un-availed after becoming eligible for the examination, shall cease to become eligible for further medical education in KMU-IDS. Ineligibility due to shortage of attendance shall not affect the application of this clause.
9. Any student who fails to clear the 2nd Professional BDS examination in FOUR chances availed or un-availed after becoming eligible for the examination shall cease to become eligible for further medical education in KMU-IDS. Ineligibility due to shortage of attendance shall not affect the application of this clause.
 - i. Any student who fails/is detained in a 1st and 2nd Professional Examinations, both in annual and supplementary in any subject (s) shall not be eligible for promotion and admission to the next higher class until he/she passes the failed subject as per procedure.
 - ii. He / she shall undergo full course of studies (both theory and practical) in the subject(s) in which he / she failed / detained with subsequent class and completes at least 75 % attendance.
 - iii. There will be no provisional promotion in such cases. These students shall not be allowed to attend the next higher classes. Any attendance of such students marked in the higher class without promotion would be of no legal effect.

1. Any student who fails in any medical subject(s) of 1st Professional and 2nd professional examination and do not avail two consecutive chances will have to clear all the subjects in the subsequent chance? However, there is no bar on the number of chances in 3rd, 4th and 5th Professional examinations.
2. A student who fails in one or more subjects shall reappear in the subject(s) in which he/she has failed and shall pay the requisite fee for the said examination to the KMU.
3. A student, who is eligible to appear in the examination but did not take examination for whatever reason, shall be considered to have failed.
4. Only two examinations, one annual and one supplementary are allowed in any one academic year. No three or extra supplementary/annual examination is permitted.
5. Under no circumstances, a candidate is allowed to appear in two Professional examinations in one academic year.
6. A student who has passed his/her BDS examinations shall be entitled to the degree of Bachelor of Medicine and Bachelor of Surgery (BDS) & Bachelor of Dental Surgery from the KMU provided that he/she has conformed to the requirements, in vogue, of Pakistan Medical and Dental Council which may be changed from time to time.
7. A student who discontinued his / her studies for a period of 5 years or more will not be allowed readmission. If he / she want readmission before that period he / she will be allowed to continue his / her studies from the class he / she left. However, the validity of an examination will be for 03 years. After 03 Years the student has to retake the last professional examination.
8. The Principal will not forward the examination form of any student unless he /she produce clearance certificate from the college cashier, hostel warden and the college librarian

FEE STRUCTURE FOR BDS SUBSIDIZED CATEGORY

S. No.	Fee Structure	First Year	2nd Year	3rd Year	4th Year
1.	Fee	123100	105000	105000	105000
2.	PMDC Registration Fee	3000	--	--	--
3.	Exam Fee	As per examination rules			

FEE FOR BDS SEMI SUBSIDIZED CATEGORY RS.450,000/- PerAnnum.

FEE FOR BDS FOREIGN SELF FINANCE CATEGORY US\$6500/- PerAnnum

1. All the students must pay their fees within one month after the declaration of their result of that class. Those who fail to deposit fees within the stipulated period, a fine as prescribed from time to time will be charged in addition to the college fee and other subscription.
2. Fines once levied will not be condoned.
3. At the end of one month period, if the fees are not paid in full, the name of defaulter will be struck off the college role and readmission will only be given after payment of readmission fee in addition to the original fee and other subscription.
4. The student who is detained or has failed an examination in both annual / supplementary shall have to pay 50% of tuition fee only in the class in which he / she has failed except final year.
5. All those students who have passed / failed in supplementary examination must seek their admission / readmission forth with just after the declaration of the result of their classes. All those students who failed to comply with the above rule will not be allowed to attend the classes or appear in the subsequent examination.
6. Fee once paid shall not be refunded, but in the case of student who was prevented by illness or other reasons beyond his / her control from attending the college for most of the year for which he / she may be exempted from payment of the whole or part of amount of fee for the year in which such a student re-joins the college.
7. The name of a student, who has not paid / cleared all the dues of the college, will not be entered in the admission register, nor will he / she be allowed to attend the classes or appear in the examination.
8. If the security deposit is not claimed within a period of six months of the date of leaving the college, then it shall not be refundable and will be credited to the benevolent fund maintained by the college for its students.
9. Tuition Fee refund if any will be carried out according to Khyber Medical University Fee Refund Policy.

Note:

- a. Any seat left vacant in the Foreign Self Finance category will be converted on open merit. Admission will be offered to candidates on the waiting list. However the candidates will have to pay a fee of US\$ 6500 per annum
- b. In case of no applicants in category (a). The seats will then be converted to Semi-Subsidized and offered to local applicants on merit basis. Admission will be offered to candidates on the waiting list. However, selection will be made purely on merit basis.
- c. In case of no applicants in category (a & b). The seats will be widely advertised in daily news papers, offering admission to candidates of KP, FATA & PATA on self finance basis with a fee of US \$6500 per annum. However, selection will be made purely on merit basis.



Library

EXTRACURRICULAR ACTIVITIES

The students are encouraged to take active part in the extracurricular activities to ensure Healthy Body, Healthy Mind". The following societies of the students are active in the KMU-IDS.

- Literary society
- Sports society
- Social welfare society
- Hiking club

DRESS CODE

Students are expected to appear in decent and sober outlook. To achieve this, the following will be the dress code. It must be followed by all students during lectures, practical, tutorials, seminars, outdoor and indoor hospital duty and in all Institute functions.

Uniform is compulsory whenever the student visits the Institute either taking classes or not. The students must wear white coat while attending laboratories, dissection hall and hospital.

FEMALE STUDENT'S DRESS CODE

White / maroon color shirt, white shalwar, white dupatta / Shaal, Black shoes and white long overall up to knee length.

MALE STUDENT'S DRESS CODE

- Dress Shirt - Dress Pants - Court Shoes.
- Shalwar Qamiz – Peshawari Chappal. White Coat / Overall where demanded Strapless Footwear - Kito Style Footwear will be strictly prohibited.

MOBILE PHONE USE

Use of mobile phone for students in the classes, practical and other teaching activities is strictly prohibited and if found will be confiscated.

Note: Every student and the parent/guardian of the student shall give the following undertaking after confirmation of their admission.

UNDERTAKING / AGREEMENT [1]

(To be filled by the candidate on Judicial Bond of Rs.30/- and duly attested by the Deputy Commissioner/ Political Agent/DCO/First Class Magistrate).

I Mr./Miss. _____ Son/Daughter/Wife of _____
Resident of _____

Do hereby solemnly undertake to abide by the following:

- i. That I have read the Prospectus of KIDS and hereby agree to conform to all provisions of the rules and the statutes/rules as may hereafter be framed by the appropriate authorities.
- ii. That the information furnished in, and documents attached with the application form, are correct, and I fully understand that at any time during the course of my study, if it is found that any information is in-correct or any document produced at the time of admission is false, which would have rendered me ineligible for admission under the rules, my name shall immediately be struck off the institute roll.
- iii. That I shall, in case my name is struck off under clause (ii) above, not be entitled to claim refund of any fee paid by me. In addition I shall pay to the Principal as liquidated damages at the rate of Rs.100,000 (one Lac) per year of my studies in KIDS.
- iv. That I shall, have minimum attendance of 75 percent, diligently apply myself to acquire and develop the skill necessary for the practice and advancement of my study in order to qualify for examination and I will not be promoted to the next higher class unless I have cleared all the subjects.
- v. That I shall maintain identity as a student of the institute by wearing Institute uniform. I shall participate fully and wholeheartedly in games and extra-curricular activities.
- vi. That hostel accommodation will be provided subject to availability, in case of non-availability of hostel accommodation, I will not ask for any accommodation.
- vii. That I will not indulge in politics of any type and will not be a member of any political party/organization/students Federation, holding a gathering, meeting or taking out procession in any part of Campus. I understand that my failure to observe this clause of undertaking would result in cancellation of my admission/expulsion from the Institute, and that the decision of the authorities concerned will be final.
- viii. That I shall never use violence, threat of violence and pressure in any dispute with others, all means and methods shall only be logic, persuasion, petition, appeal, revision, review and other legal and peaceful method for settlement of differences and disputes.
- ix. That in any dispute with students, teachers and employees of the institute I shall accept the judgment of the committee constituted by the principal for decision of settlement of the wrongdoers.
- x. Further, I do hereby solemnly undertake to refrain from:-
 - l. Doing anything which may cause injury or insult to head, teacher, officers and other staff of institution.
 - m. Holding a gathering, meeting and taking out procession in any part of Campus other than as specified for the purpose.
 - n. All kinds of unfair means in examination.
 - o. Allowing or abetting the entry to the premises of the Institute of expelled students, anti-social elements or others whose presence in the Campus could cause conflict among the students.
 - p. Bringing into the Campus, consuming or encouraging consumption of alcoholic products, drugs and narcotics and indulging in acts of moral turpitude.

- q. Bringing or keeping any type of weapons within the University/ Institute premises.
- r. Using or occupying any room or part of any building of the Institution without lawful authority.
- s. Subletting any hostel room to unauthorized persons.
- t. Damaging any University/Institute property including building, equipment and vehicles etc. in any manner.
- u. Indulging in any violent or any other unsuitable activities even outside the Institute, which may bring bad name to the Institute.
- v. From all such acts and deeds as might bring disgrace and bad name to the Institute.
- xi. In case I am reported to be guilty/ involved in any of the aforesaid activities during my stay in the medical Institute, the Institute authorities can rusticate me from the Institute temporarily or expel me permanently. I will not try to create law and order situation or instigate the students of the Institute or of any other institution against the action taken by the Institute and furthermore I will not go to any Court of Law in this regard. In case of my expulsion from Institute I shall pay to the Principal as liquidated damages at the rate of Rs.100,000 (one Lac) per year of my study in the Institute.
- xii. If it is reported that I have not honored the decision of the Institute authorities as described above, I shall be liable to pay Rs.2,00,000/- (Two Lac) per year of my study in the Institute as damages to the Khyber Medical University.
- xiii. In case there is any dispute between me on one hand and the administration of the Institute on the other hand regarding my involvement in a disciplinary or political matter or regarding the imposition of any penalty or damages on me, the matter shall be referred to the Principal, as the sole arbitrator and his decision in such capacity shall be final and shall not be challenged in any court of law.
- xiv. I will abide by the decision of the Institute Authorities. In case I am found guilty of indiscipline, defamation, disrespect of the Staff and other anti-institutional activities, I will abide by the rules and decisions regarding the house job.
- xv. I understand that if it is found that I was not entitled for admission according to the KIDS Admission policy at any stage of BDS course or if it is found that I was not entitled for admission in preference to the other candidates who applied for admission, my admission will stand canceled.
- xvi. I solemnly declare that I do not have a double domicile certificate.

Signature of the Student: _____

Name: _____

CNIC No / Computerized Form – B No: _____

Father's Name: _____

CNIC No: _____

Permanent Address: _____

Present Postal Address: _____

Dated: _____/_____/_____

To continue from next page

UNDERTAKING / AGREEMENT [2]

To be filled by father/mother/husband/guardian of the candidate on Judicial Bond of Rs.30/- and duly attested by the Deputy Commissioner Political Agent/DCO/First Class Magistrate).

I _____ Son/Daughter/Wife of _____
and Father/Mother/Husband/Guardian of _____
hereby fully endorse the undertaking given by my Son/Daughter/Wife/Ward and assure that the

/shewillabidebythisundertakingduringhis/herstayin theInstitute.

iii. IalsomakemyselfliabletopayRs.1,00,000(onehundredthousand) peryearof his/ herstudyin theInstituteincaseof anybreachof theabovementionedundertakingbymy Son/Daughter/Wife/Ward,Mr./Miss._____.

iv. I _____ Father/Mother/Husband/Guardian of Mr./Miss _____ assurethatmySon/Daughter/Wife/Wardwillnot indulgeinpoliticsof _____ anytypeandwillnotbe _____ amemberof anypoliticalparty/organization/studentsFederationnorwillhe/ sheattendanymeetingof suchorganizations.Such involvementonhis/herpartmayleadtohis/her expulsionfrom the Institute,andthatthe decisionof the Principalin thisregardwillbefinal.

DEPONENT

Signature: _____

Full Name: _____

CNIC No: _____

Father's Name: _____

PresentPostalAddress: _____

Witness-1

Signature: _____

Name: _____

CNICNo: _____

Father'sName: _____

Present/PostalAddress: _____

Permanent PostalAddress: _____

Witness-2

Signature: _____

Name: _____

CNICNo: _____

Father'sName: _____

Present/PostalAddress: _____

Permanent Address: _____

ATTESTED

Signatureand Stampof PoliticalAgent/FirstClassMagistrate

AFFIDAVIT FOR GUARDIANSHIP

(To be filled on stamp paper of any denomination) (TO BE PRODUCED ON STAMP PAPER)

I _____ Son/Daughter/Wife of
_____ do hereby solemnly declare that my father has died in the year
_____ and _____ is my guardian.

3. Signature of candidate: _____

Name of Candidate: _____

CNIC No. of candidate: _____

4. Signature of Guardian: _____

Name of Guardian: _____

CNIC No. of Guardian: _____

CERTIFICATE OF LOCATION OF EDUCATIONAL INSTITUTES

(To be submitted by the candidates applying against Backward Areas and FATA inner seats)

Office of Executive District Officer (Education) District/Agency/FR: _____

Certified that Mr./Ms. _____ S/O, D/O _____

has been studying in the District/Agency/FR of _____ as follows:

Class	Full Name of School/College	Year (From-)	Board
Primary(1-5)			
Middle(6-8)			
Matric(9-10)			
F.Sc Part-I(11)			
F.Sc Part-II(12)			

Signature of EDO (Education)

With official stamp

Verified by the DCO of concerned District/FR or PA of Agency

DCO/PA: _____

With official stamp

STUDY COMPLETION BOND

To be filled by the student on Stamp paper of Rs.30/- and duly attested by First Class Magistrate/Political Agent/Oath Commissioner in the presence of two witnesses.

I _____ S/O/D/O/W of _____ hereby solemnly affirm that I will complete the whole tenure of my study of five years BDS Program in KIDS. I will not seek admission in any other medical institute nor will I reappear in ETE at any stage of my study tenure.

If I further agree to the provision that my original documents shall remain in safe custody with KIM still the completion of my study tenure and I shall not demand for its return back to me before the completion of my study tenure.

In case, I intend to cancel my admission at any stage of my study period, after the closure of admission, I shall be liable to a penalty of Rs.400,000/- (Four Hundred Thousand) for wasting a precious seat. The original document will be returned to me only after the payment of the due penalty.

Signature of Student: _____

Name of Student: _____

Father's Name of the student: _____

CNIC# of the student: _____

Present Postal Address: _____

Permanent Address: _____

Witness-1

Signature: _____

Name: _____

CNIC No: _____

Father's Name: _____

Present/Postal Address: _____

Permanent Postal Address: _____

Witness-2

Signature: _____

Name: _____

CNIC No: _____

Father's Name: _____

Present/Postal Address: _____

Permanent Address: _____

Signature and Stamp of
First Class Magistrate/Political Agent/Oath Commissioner:

PICTURE GALLERY



DEPARTMENT OF ORAL MEDICINE



DEPARTMENT OF RESTORATIVE DENTISTRY



DEPARTMENT OF RADIOLOGY



DEPARTMENT OF

**KHYBER MEDICAL UNIVERSITY INSTITUTE OF HEALTH
PROFESSIONS EDUCATION & RESEARCH**



**PDA Commercial Flat, Near Shalman Park, Phase – VI, Hayatabad, Peshawar
Tel: +915862482, www.kmu.edu.pk**

VISION

A state of the art institute that produces leaders and innovators in health professions education and research.

MISSION STATEMENT

To produce leaders, innovator and researchers in health professions education who are able to apply global knowledge to resolve local issues.

OBJECTIVES

Graduates will be able to:

1. Apply their understanding of education for the development of health Education.
2. Design, plan and implement a relevant course for health professionals based on well established principles of learning and instruction.
3. Design, plan and implement an evaluation and assessment strategy for students at all levels.
4. Conduct high quality research and publish articles in recognized journals;
5. Develop and implement a curriculum based on modern principles of educational psychology.
6. Demonstrate state of the art teaching skills and facilitate students learning.
7. Evaluate educational programs and continually improve their quality

ACADEMIC PROGRAMS

The following programs offered by this institute as

- 1.1 Master in Health Professions Education (MHPE)
- 1.2 Master in Health Research (MHR)
- 1.3 Certificate in Health Professions Education (CHPE)
- 1.4 Certificate in Health Research (CHR)

1. MASTER IN HEALTH PROFESSIONS EDUCATION (MHPE)

1.1 INTRODUCTION

Khyber Medical University has launched the MHPE program for the first time in Khyber Pakhtunkhwa. This program would enable the Health Professions of the country and province in particular to bring necessary changes in training of health educators in accordance with global challenges and local needs.

The MHPE degree is designed to help health educators to develop necessary skills to lead our educational enterprise through a rapidly changing health sciences environment. The program is founded on the premise that a systematic, scholarly approach is the most effective way to address educational challenges.

1.2 RATIONALE

The education of health professionals has a direct effect on improving human resources for health in support of national priorities. Worldwide, health professions education has undergone a significant change during the past few decades. The focus has moved from a scientific and technical to include a more practical and applied approach in the context of the social responsibility of medical schools and a commitment to the integration of teaching experiences and teacher development for day to day work.

New advancements in learning methods, assessment of students, curriculum design, faculty development and the evaluation of programs for health professions education have created an imperative for capacity building among the teaching staff in health professions institutions in Pakistan. Among the many possible strategies to meet this need is the development of a high level of practical and applied capacity building among a sufficient number of teachers at regional health professions institutions throughout Pakistan.

This can be achieved through an Master in Health Professions Education (MHPE) that includes advanced study and research dealing with: the development of the ability to read and apply literature from the international and national communities to local and regional situations, promotion of the capacity to develop other professors in contemporary approaches to health professions education, improvement of the conduct and organization of student assessment at all levels, and application of approaches to the rigorous evaluation of curriculum and new programs.

1.3 NEED ASSESSMENT

There exists today in Pakistani medical colleges a continuing need for specialized and advanced study in how education is best applied in national institutions. Khyber medical university also needs such dynamic educators who would improve health education perspective in this area. There is a great demand for post-graduate academic programs in this area to develop skills that could bring about this change, and develop our institutions at par with international centers. By using the experience of the professionals who conduct research and work in different institutions devoted to health professions education this program is developed. This program will be run by local faculty under guidance from international faculty and will be up to the highest standards of masters programs internationally.

1.4 COMPETENCIES

Through Master of Health Profession Education Program, an educationist should be able to perform the following in a professional way.

Curriculum Management

1. Evaluate strengths and weaknesses of current curriculum and lead the process of modifying or restructuring curriculum based on community needs and formal national requirements;
2. Lead curriculum development, management and evaluation process and ensure successful implementation of the curriculum in an institution
3. Recognizes challenges and barriers in planning, implementation and management of a curriculum and suggests solutions;
4. Demonstrates skills to develop various kinds of curricula (e.g. problem based, systems based), perform integration at various levels and develop a curriculum that improves the knowledge, skills and the attitudes of learners.
5. Demonstrate skills to use e-learning and information technologies to develop and manage computerized curriculum management system.
6. Powerful user of research and evidence as tools to improve the quality of curriculum management system.

Teaching and Learning

1. An excellent teacher; An excellent teacher trainer; An excellent communicator;

2. Demonstrates knowledge to develop teaching and learning strategies to improve the quality of teaching and learning in an educational environment;
3. Demonstrates abilities to guide students in developing their learning strategies, keeping them motivated and eventually becoming self directed learners;
4. Recognizes challenges and barriers in planning and implementing teaching and learning strategies in diverse and locally unique teaching and learning environment in both clinical and non-clinical setups.
5. Demonstrate skills to use e-learning and information technologies to develop and manage computerized teaching and learning solutions.
6. Powerful user of researcher and evidence as tools to improve the quality of teaching and learning.

Assessment

1. Apply knowledge to develop assessment strategies to ensure that the assessment system being used is valid and reliable;
2. Recognizes challenges and barriers in planning and implementing a quality assessment system that is trusted by teachers and students and is at par with the national assessment requirements;
3. Able to develop an assessment system that is an instrument to foster learning;
4. Perform administrative responsibilities related to assessment such as managing questions data bank, scanning of OMRs.
5. Calculate various assessment indices (e.g. Reliability index, discrimination index, difficulty index etc.) and develop assessment reports;
6. Provide training to faculty on assessment strategies, practices and item analysis etc.
7. Demonstrate skills to use e-learning and information technologies to develop and manage computerized assessment system;
8. Powerful user of researcher and evidence as tools to improve the quality of assessment.

Educational Leadership and Management

2. Demonstrates excellent leadership qualities for the best interest of his profession and institution; An effective communicator and team player;
3. Apply global knowledge to identify local health professions education challenges and suggest innovative solutions.
4. Independently plan, establish and run medical education department, perform situation analysis, identify key educational issues and
5. Suggest effective solution at the institutional level;
6. Develop strategies, policies and procedures and produce strategic and operational plans for effectively running medical education system in an institute.

Educational Research

1. Perform evidence based analysis of educational issues;
2. Identify educational issues at the local and national level and independently plan and organize a research projects to find solutions;

3. Write project reports and disseminate findings in the form of reports and research articles.

1.5 PROGRAM STRUCTURE

a. Program Duration

The duration of MHPE Program is two years. The program has a total of six contact sessions. Each contact session has comprised of 10 days of face to face interactive teaching and learning. The program is designed to be beneficial for candidates who are in mid carrier level. It requires the participants to study for approximately two hours of notional student effort per day. There are three contact session in a year. (Total = 6 contact sessions).

b. Credit Hours

The program is of 60 credit hours.

Distribution of Modules

The program is a modular system where credit hours will be awarded for each module passed. Six modules are identified each with its own contact session.. Each module includes contact sessions and on line assignments.

S NO	Codes	Title of Modules	Credit Hours	
			Contact Sessions	Assignments
1	MHPE 701	Educational Psychology	5	4
2	MHPE 702	Teaching and Learning	5	4
3	MHPE 703	Curriculum	5	4
4	MHPE 704	Assessment	5	4
5	MHPE 705	Educational Research	5	4
6	MHPE 706	Educational Leadership and Management	5	4
7	MHPE 799	Thesis	6	
Total			60	

Academic Calendar

S NO	Codes	Title	Contact Sessions	Time Table
1	MHPE 701	Educational Psychology	I	July/August

2	MHPE 702	Teaching and Learning	II	October/November
3	MHPE 703	Curriculum	III	February/March
4	MHPE 704	Assessment	IV	July/August
5	MHPE 705	Educational Research	V	October/November
6	MHPE 706	Educational Leadership and Management	VI	February/March
7	MHPE 799	Thesis	00	February/March – July/August

Instructional Strategies

Constructivist approach is used as educational philosophy. Problem based learning, task based learning and group discussions are the key components. Contact sessions have different types of sessions; some are lectures, group discussions, self study periods and projects.

c. Mode of Information Transfer (MIT)

- Self directed learning
- Directed self learning
- Task based learning
- Role play sessions
- Workshops
- Presentations (by participants also)
- Tutorials
- Problem based learning sessions
- Assignments
- Objective Structured Teaching Examination (OSTE)



d. Assignments

There are total 18 assignments of six modules (Three assignments per module). Assignments will only be given to students who will attend the contact session of the module. They will be based on application of knowledge at higher order cognitive skills development. After attending the contact sessions, the students will be provided three months time for the approval of three assignments in each module; failing may lead to repetition of contact

session. The assignments of each module will be submitted on MOODLE .It will be assessed and marked on MOODLE.

Examination and Methods of Assessment

The students will be evaluated during each module on the basis of:

S#	Codes	Title of Modules	Assessment (Weigh)			
			Internal assessment	Assignments	Final Exam	Total Marks
1	MHPE 701	Educational Psychology	20	50	30	100
2	MHPE 702	Teaching and Learning	20	50	30	100
3	MHPE 703	Curriculum	20	50	30	100
4	MHPE 704	Assessment	20	50	30	100
5	MHPE 705	Educational Research	20	50	30	100
6	MHPE 706	Educational Leadership and Management	20	80	No Exam	100
7	MHPE 799	Thesis				200

1. Internal assessment will include class participation, interactive discussions, presentations and group work during the contact sessions. This assessment will be weighted towards 20% of the total grade for the module.
2. The assignments will be given after the contact session of each module and should be approved in three months time. It will be graded for 50% of the total grade for the module.
3. The final exam of module will be conducted on the first day of next contact session. The final exam of each module will be weighted towards 30% of the total grade for that module.
4. The format of paper for final exam will include:
 - Multiple Choice Questions (Single best answer)
 - Short Answer Questions
 - Extended Matching Questions

i. Grading

- a. Grading of students will be through letter grades as defined in **Table 1**.

Numerical Score (in percent)	Letter Grade	Grade Points
>= 85	A	4.0
79 - 84	B+	3.5
70 – 78	B	3

60 - 69	C	2.5
< 60	F	0.0

Table 1: Grade Points

- b. Students receiving an F grade in any module will have to repeat the module whenever it is offered again.
- c. The Cumulative Grade Point Average (CGPA) will be calculated over all modules taken to date. In case a module is repeated, all grades will be reported on the transcript; however, only the latest grade will be used to calculate the GPA.
- d. Students at the Masters level are expected to maintain a CGPA of 3 during the course of study.

j. Academic Quality

A student must have 80% of the attendance in each contact session. A student having two days absent in the contact session, will repeat a contact session.

Exit policy at Advanced Certificate, Diploma, and Master Levels.

The following is the exit policy as under;

- **Advanced Certificate in Health Professions Education (ACHPE)**
 - The Advanced Certificate in Health Professions Education will be granted to those students who have attended all core modules (first four contact sessions). The award of certificate will be based on satisfactory attendance of four contact sessions, completion of assignments and end of module assessment.
- **Diploma in Health Professions Education (DHPE)**
 - The Diploma in Health Professions Education will be granted to those students who have attended all the six contact sessions and passed the exams for the modules and have successively completed assignments for the above modules. It does not include doing work for thesis.
- **Master in Health Professions Education (MHPE)**
 - The Master in Health Professions Education (MHPE) will be granted to those students who will attend all the contact sessions, completed the assignments and getting an aggregate of 60% marks in the modules and successfully completing the thesis work.

Contact session freezing policy and re-joining MHPE course

1. Attending 1st contact session is mandatory. No freezing/dropping shall be allowed in the first contact session. The dropped/freeze contact session shall be counted towards the period required for completing the course work.
2. A student can freeze a contact session, after passing his/her previous modules successfully with all dues clear except S#1. Moreover, he/she will inform the institute in written at least a week before starting of contact session.
3. A student will re-join the course from the freeze contact session of module with next batch.

Repetition of modules/contact session

1. A student who has not submitted/completed assignments of any module will repeat the contact session along with assignments and paper.
2. A student who failed a module will repeat a contact session of the module he/she failed along with assignments and paper.
3. A student, who is found absent from the contact session for more than two days will repeat a contact session.
4. Fee @ 50% of contact session fee (As per KMU policy) will be imposed on repeating of module.

Re-appear policy

1. If the assignments of student are approved and he/she missed a paper due to any reason, he/she will be allowed to attempt it whenever it will conduct during the following year/years with the next batch. There shall be no Supplementary / Special Examination; if a student fails in a course, he/she is required to repeat it.
2. A fee Rs 800/- including transcript fee of Rs. 300/- per paper will be charged on paper attempt. (As per KMU policy).

Promotion to Next Contact session

Requirement for promotion to next session shall be as follow;

- I. A student who has submitted/completed assignments of the module will be promoted to next contact session.

Maximum time required for completion of two years program

Maximum Four Years duration (from the date of admission) shall be allowed for a student to qualify. The Academic Council may, on the written request of the student duly recommended by head of the institution, further extend up to one year with imposition of a fine which shall be double of the prescribed fee for the enrolment of the relevant degree program's semester.

MHPE Fee Breakup

S#	Nature of Fee	Fee
Year-I		
1.	Tuition Fee (including KMU Registration & PMDC or other council/regulatory body	Rs. 1,27,000/-

	registration fee	
	Total	Rs. 1,27,000/-
Year-II		
2.	Tuition Fee	Rs. 1,25,000/-
3.	Thesis evaluation fee	Rs. 30,000/-
	Total:	Rs. 1,55,000/-

However, the students will deposit their fee yearly i.e for three contact sessions collectively. Fee deposition in instalments is not allowed as per KMU Policy.

Fee Refund Policy (KMU Fee refund policy)

1. Full (100 %) Fee will be refund up to 03 days of convene of 1st Contact Session.
2. Half (50 %) Fee will be refund from 04 to 07 days of convene 1st Contact Session.
3. No Fee (0 %) will be refund from 8th Day of 1st Contact Session.

2. CERTIFICATE IN HEALTH PROFESSIONS EDUCATION (CHPE)

2.1 INTRODUCTION

There are approximately 100 medical colleges, over 25 dental colleges and tens of postgraduate medical institutes in Pakistan providing training to thousands of undergraduate and postgraduate medical students. These medical institutes employ thousands of teachers to fulfill educational needs of medical students. In Pakistan, the only criteria for the selection of a medical teacher are that, he/she should be a medical doctor. It cannot be taken for granted in today's complex medical education system that a specialist doctor is a specialist teacher as well. Those who are involved in teaching and training must be exposed to the fundamentals of teaching and training so that they can transform themselves into effective teachers and trainers.

The teaching and educational aspect of medical education is a grossly neglected area in the medical education arena of the country. A vast majority of these 'teacher doctors' do not carry any credential to 'teach'. They may be excellent doctors but teaching requirements are quite different than clinical skills of a medical doctor. In a large number of cases, they may be doing nothing but 'quackery' in teaching.

Certificate in Health Professions Education (CHPE) has been specially designed to fulfill the educational needs of the medical teachers in Pakistan and expose them to the basic and applied

concepts of medical education. CME program provides an opportunity to medical teachers to learn the basics of health professions education, the use of educational terminologies and learn about basic skills that are required to make them effective teachers, skillful assessors and scholarly educators.

The program provides an opportunity to teacher doctors to learn basic knowledge about teaching and learning, communication skills, the use of information technology in teaching and learning and playing other roles such as a scholarly educator an informed assessor and effective team player.

2.2 Vision of CHPE

Certificate in Health Professions is a teacher friendly program that helps teachers in health sciences to develop their basic teaching skills.

2.3 Mission of CHPE

All teachers must acquire basic teaching skills if they wish to adopt a teaching career in health sciences.

2.4 CHPE Program Slogan

No teacher without basic teacher training in health sciences.

2.5 Aim of CHPE

CHPE aims at introducing the basic and applied concepts of medical education to the Pakistani health sciences teachers and improving their skills to perform the basic functions of a teacher in health sciences institutes.

Learning Outcomes

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

1. Demonstrate trends, issues and challenges in Health Professions Education at the global, national and local levels.
2. Demonstrate the significance and role of Health Professions Education in improving the quality of education.
3. Recognize the modern role of a medical teacher beyond the boundaries of mere information provider.
4. Develop skills as efficient and effective medical teachers.
5. Demonstrate basic communication skills pertinent to their roles as medical teacher.
6. Perform alignment of curriculum development with teaching, learning and assessment.
7. Identify his/her own professional development needs to professionalize his/her practice as an educator and lifelong learner.

2.7 Core Competencies of CHPE

The following core competencies are identified teaching & learning, curriculum development, assessment and e-learning for the CHPE program.

Teaching and Learning

1. Develop teaching and learning strategies in diversified educational environment;
2. Guide students in developing their learning strategies;
3. Demonstrate high quality teaching skills in different learning situations such as large and small group formats, bed side and OPD/ward teaching situations.
4. Justify the selection of instructional strategies.
5. Demonstrate ethical and legal responsibilities of teaching in diverse educational settings.
6. Demonstrate effective teaching practices and ability to reflect critically on teaching performance of self and others.
7. Develop an effective power point presentation based on Gagne's nine events of instructions.

Curriculum Development

1. Demonstrate key components of curriculum development;
2. Differentiate between competencies, objectives and learning outcomes;
3. Formulate objectives for one's own course/specialty.
4. Demonstrate skills to develop the basic components of a course/module, based on the principles of curriculum development;
5. Develop an effective study guide to facilitate students learning in clinical and non-clinical set-up.

Assessment Strategies

1. Demonstrate the basic principles of good assessment practices.
2. Develop assessment strategies to ensure that the assessment system being used is valid, reliable, cost effective, feasible and have an educational impact.
3. Differentiate between summative and formative assessment and its impact on learning.
4. Develop examples of cognitive, psychomotor and affective learning and match them with the appropriate methods of assessment.
5. Prepare a blueprint for their selected learning outcomes.
6. Justify selection of assessment tools based on principles of assessment and following Miller's Pyramid.
7. Construct Multiple Choice Questions (MCQs) at "Knows and Knows how" level of Miller's Pyramid.
8. Construct Short Answer Questions (SAQs) at "Knows and Knows how" level of Miller's Pyramid.
9. Construct OSCE following Miller's Pyramid and principles of assessment.
10. Demonstrate basic principles of ethics and professionalism.

2.8 STRUCTURE AND DESIGN OF CHPE

This course is of twelve credit hours which have been divided into contact sessions and assignments. Each contact session is of two credit hours (each credit hour is sixteen hours of

contact hours) and remaining credit hours is divided into assignments. At the end of each contact session one assignment will be given. Total = two assignments.

2.9 Modules

This program should have two modules as;

1. Teaching, Learning & Curriculum Development

- i. Principles, trends and approaches in HPE (global, national, local)
- ii. Principles of Adult Learning
- iii. Bloom's Taxonomy (Writing Outcomes, competencies and objectives)
- iv. Learning Styles and Learning Approaches
- v. Planning a 60 min PowerPoint lecture. Effective lecturing
- vi. Learning Situations (Small group teaching, large group format, bed side teaching)
- vii. Educational Strategies (Problem Based Learning)
- viii. Planning a curriculum: The SPICES model
- ix. Use of study guides to improve student learning
- x. Developing a Curriculum addressing the alignment issues (Curriculum Integration)

2. Assessment in Medical Education

- i. Principles of assessment
- ii. Tools of assessment
- iii. Assessment blueprinting
- v. MCQs construction
- vi. Short Answer Questions (SAQs)
- Vii. Objective Structured Clinical Examination (OSCE)/OSPE
- Viii. Introduction to ethics and professionalism

2.10 Assessment

Formative Assessment: During the contact session through presentations, group discussions, Attendance.

Summative Assessment: Two assignments. (One for each contact session).

ELIGIBILITY CRITERIA

The following are required for admission into the Master in Health Professions Education, Master in Health Research (MHR), Certificate in Health Professions Education & Certificate in Health Research (CHR) Programs;

- MBBS/BDS, MD or equivalent qualification recognized by PMDC, MSc Nursing (Recognised by PNC), DPT/MSc Physiotherapy, MSc Paramedics, Pharm-D, MSc Psychology, MSc Prosthetic & Orthotic.
- Computer literacy in MS Office and Internet.
- Interview conducted for eligible candidates.

Application Procedure

The available Admission form on the university website www.kmu.edu.pk should be filled and submitted. The course organizer will finally select the candidates after reviewing the application forms.

Distribution of Seats for MHPE & MHR Programs: (per batch)

S. No	Name of Program	Baluchistan	FATA	Foreign Reserved Seats	*Open Merit	*Total Seats
1	M.H.P.E	01	-	-	19	20
2	M.H.R	04	02	02	12	20

Note: If the candidates from Baluchistan, FATA and Foreign countries do not fill their respective reserved seats, these remaining vacant seats will be converted to open merit seats.

FEE STRUCTURE

Year wise breakup

S No	Course	Fee	
1	Master in Health Professions Education(MHPE)	1 st Year	2 nd Year
		Rs.1,27,000	Rs.1,25,000
2	Thesis evaluation fee	30,000	
3	Master in Health Research (MHR)	Rs. 1,13,000	Rs 110,000
4	Thesis evaluation fee	30,000	
5	Certificate in Health Professions Education (CHPE)	For faculty Members of affiliated medical colleges : Rs 16500/- For others Rs 21,000/-	
6	Certificate in Health Research (CHR)	Non-formal sectors (NGOs, donors etc) : Rs 20,000 Faculty Members : Rs 18000 Registrars/TMOs/MOs/HOs: Rs 10,000	

Note:

MHR Foreign reserved seats US\$ 3000/- per annum

FACULTY (MHPE & CHPE)

1. Dr. Gohar Wajid (Program Supervisor)

MBBS, MSc (Health Information Systems, UK) MPH (Australia), PhD (Medical Education, UK) Certified Professional in Healthcare Quality (USA) AFCHSE (Australia), Hon. Fellow IMSA (India) Advisor & Coordinator Center for Statistics & Health Research Consultant, Medical Education, University of Dammam, Kingdom of Saudi Arabia.

2. Professor Muhammad Idrees Anwar (Program Director)

MBBS, FRCS, DCPS, HPE,
Head of Surgery, Rawalpindi Medical College, Director Medical Education, Rahim Yar Khan
Visiting Faculty College of Physicians and Surgeons, Karachi.

3. Dr. Sahibzada Mehmood Noor (Program coordinator)

MBBS, FCPS (Derm), DCPS, HPE
Associate Professor Dermatology
Lady Reading Hospital, Peshawar/ Postgraduate Medical Institute, Peshawar

4. Dr. Brekhna Jamil

BDS, MPH, MHPE
Coordinator/ Assistant Professor, IHPER, KMU
Institute of Health Professions Education & Research

5. Dr. Usman Mahboob

MS Medical Education (Glasgow University, UK)
PhD (Glasgow University, UK)
Assistant Professor, IHPER, KMU

6. Dr. Ahsan Sethi

PhD Scholar (Dundee University, UK)

7. Dr. Shahid Ayub

MBBS.FCPS. DCPS (HPE)
Assoc. Professor Neurosurgery and Deputy Director Medical Education,
Postgraduate Medical Institute, Hayatabad Medical Complex, Peshawar.
Visiting faculty, Khyber Medical University, Peshawar

8. Dr. Rehan Ahmed

FCPS, FRCS, MHPE
Director, Medical Education, Assistant Professor Surgery
Islamic International Medical College
Visiting faculty, Khyber Medical University, Peshawar

FACULTY (MHR & CHR)

1. Professor Dr. Mukhtiar Zaman,

MRCP, FCPS, Diploma in Strategic Change Management (UK)

2. Dr. Tasleem Akhtar, FRCP

3.Prof. Dr. Saeed Farooq, FCPS, PhD

University of Staffordhsire, U.K , PGMI-LRH.

4.Dr. Zeeshan Kibria

Deputy Director ORIC, KMU, Peshawar

5.Dr. Zahid Jadoon, MSc Epidemiology,

Vice Dean Pakistan Institute of Community Ophthalmology, Peshawar.

6.Dr. Salim Wazir, MSc, MPhil

Assistant Professor, Community Medicine, Ayub Medical College, Abbottabad

7.Dr. Hamid Hussain, MSc Epi & Biostatistics

Associate Professor Community Medicine, KMU-IMS

8.Mr. Iftikharud Din MSc, MPhil, PHD

Assistant Professor, Statistics, Agriculture University Peshawar

9.Dr. Zohaib Khan, MPH

Assistant Director R&D, KMU

10.Mr. Syed Azmat Ali Shah, MSCS

Web Master, Khyber Medical University

Visiting Faculty on need basis

International Technical Advisory Panel

Name	Designation
Prof. Saeed Farooq	Visiting Professor Centre for Ageing and Mental Health, Staffordshire University UK &PGMI LRH Peshawar.
Dr. Simon Michael Collin PhD	Research Fellow, University of Bristol, School of Social &Community Medicine
Dr. Gregory Pappas PhD	Former Chairman and Professor, Department of Community Health Sciences, Aga Khan University
Dr. Wilbur Hadden PhD	Senior Research Scientist, Research Faculty, College of behavioral and social sciences, University of Maryland,USA.



MASTER IN HEALTH RESEARCH (MHR)

Introduction:

The Khyber Medical University Master in Health Research (MHR) degree program is aimed at the development of health research capacity among health care professionals with the purpose to promote research in health academic institutions and the health care system of Khyber Pakhtunkhwa provinces specifically and Pakistan generally. The development of research capacity is also expected to equip the health professionals with knowledge and skills to practice evidence based medicine and evidence based decision-making in health care policy-making and management and public health interventions implementation.

The program will stress upon hands-on training to develop knowledge and skills for research problems identification and prioritization, preparation of research project proposals and protocols, searching for literature, preparation of research plans and budgets, research reports and publications writing and reviewing of research proposals and publications. The program covers all essential and relevant subjects in the direct contact sessions with students in workshops, lectures and tutorials and constantly challenges the students to enhance their learning and skills by giving them regular assignments and encouraging guided self-learning. The assignments are specifically aimed at developing writing skills and critical appraisal of published literature. Students are encouraged to learn to systematically develop research questions, identify and apply most appropriate research design, review research literature, critically evaluate evidence, and apply a range of research approaches and skills relevant to health services and clinical problems in developing country setting. This is an innovative masters program, first of its kind being offered in Pakistan and is designed to enhance career prospects and professional development of participants.

Goal of the Program:

To Promote and establish evidence-based health care in Khyber Pakhtunkhwa Province.

Objective of the MHR Program:

To develop capacity for high quality health research in health academic institutions of Khyber Pakhtunkhwa Province.

PROGRAM ORGANISATION AND STRUCTURE

Program Organization

The emphasis in this course will be on developing practical skills in formulating research questions, developing appropriate methodology, collecting valid data and disseminating the results using effective communications. The course will therefore use a variety of modes of information transfer with particular emphasis on problem-based learning, hands-on training and interactive learning. Following modes of information transfer will be used:

- Lectures - Introduce key concepts, principles and knowledge content for each module.
- Web-based learning and Computer/practical exercises are expected to develop capacity for the optimum use of information and communication technologies in health research and health care.
- Self-paced Learning - Reading and practical exercises are aimed to help students to work through concepts in more detail, and develop self-learning skills.
- Manuscripts writing is aimed at developing analytical skills and writing capacity.
- Critical appraisal of published research is expected to develop capacity for critical review of published literature and research proposals.

The total program duration will be two years with a total of sixty (60) contact days spread over six contact sessions spread evenly over the two years. Attendance at these contact sessions will be mandatory.

Web-based learning will be done through a Virtual Learning Environment (VLE) with support from the teaching and university IT staff. Web access to a virtual library will be allowed for every student, other resources and learning materials will be available on the program website.

Total credit hours for the course are 60 satisfying both HEC and PMDC criteria for recognition, breakdown of the credit hours is as follows:

Total Contact Days = 60

Total Contact Hours = 420

Total Credit hours for Contact Sessions = 30

Total Credit Hours for Assignments (Web-based, guided learning) = 18

Total Credit hours for thesis = 6

Total Credit hours Final exam (OSTE/OSRE) = 6

Total Program Credit Hours = 60

The medium of instruction for the course will be English and computer proficiency at the time of admission will be a must.

Program Courses

This program offers the following 6 modules

1. Quantitative Research Methods
2. Qualitative Research Methods
3. Biostatistics, Evidence Based Practice, Systematic Reviews and Meta analysis
4. Medical writing and research dissemination
5. Research Management and Governance
6. Health Economics

Additionally students will also present a dissertation based on the research project prepared and carried out by them during the training.

1. Quantitative Research Methods: Epidemiology and Biostatistics

Aims:

This module aims to provide knowledge and skills for applying quantitative research methods for generating knowledge and evidence. The student is expected to develop a clear understanding of types of data, distributions and statistical tests and different study designs and their application for addressing a specific research question.

Contents:

1. Orientation to Health Research Foundations, Terms and Concepts Knowledge, science and research Health systems
2. Methodology & Proposal development
3. History of Scientific Thought, Post-Positivists and Critical Realism
4. Literature research, Boolean operators and searching on INTERNET, writing of a literature review
5. Epidemiology, Social determinants of health and health equity
6. Variables
7. Research study types, Experimental Research and clinical trials
8. Validity, reliability, bias
9. Translational research
10. Health Care and Environmental Sustainability
11. Health Systems and Policy Research
12. Global research and the 10/90 gap in research

Training in the use of Information Technology (IT) and computer software in research is an integral part of the course

Learning outcomes

The student will be able to demonstrate an understanding of the main theoretical and practical issues in medical research. This will include

- The fundamental concepts of research and philosophy of research
- The design of different types of research studies including descriptive, analytical and experimental studies
- Priority setting in health research
- Understanding of and application of evidence in clinical practice, health management and implementation of public health interventions,

The students will develop skills to

- Identify researchable problems and develop research questions
- Design research studies and write research proposals
- Critical appraisal of published research

2. Qualitative Research Methods

Aims

This module aims to provide students with knowledge of commonly used techniques and methods in qualitative research studies. This will cover data types and qualitative research data collection techniques and their use in health research.

Contents

- Introduction to qualitative research
- Narrative research, phenomenology, grounded theory, Ethnography,
- Case study, action research, evaluation research
- Data gathering (common methods): sampling, surveys, interviews, focus Groups, consensus panels
- Data gathering (less common methods): observation, text documents, Making sense of your data
- Data management and analytic techniques
- Qualitative methods in health services research
- Quality and rigor in qualitative research

Learning Outcomes

Students will have an understanding of:

- The variety of qualitative research techniques commonly used in social sciences research
- Strengths and weaknesses of different designs, in terms of their vulnerability to forms of bias.

- Designing qualitative research projects
- Understanding of qualitative data
- Use of qualitative methods in health services research in developing country settings

The students will develop skills to

- Identify and develop research question suitable for qualitative research
- Design quantitative research in health care
- Manage qualitative data
- Critically appraise articles using qualitative methods.

3. Biostatistics, Evidence Based Practice, Systematic Reviews and Meta-analysis

Aims

This module aims to develop knowledge and skills for processing and statistical analysis of health research data and the use of research generated evidence in medical practice and decision-making. The students are expected to develop an understanding of selecting and applying appropriate statistical methods for different research designs and of critically appraising the evidence and translating.

Contents

Biostatistics

- Basic data types, distributions and analyses, estimation of confidence intervals
- Sample size calculation
- Hypothesis testing – statistical tests for demonstrating differences, associations and cause and effect relationships
- Parametric and non-parametric tests for comparisons
- Correlations and regression, ANOVA; Multiple regression; Logistic regression
- Statistical Power-type I and II errors, calculating power
- Effect size calculation-Odds ratio and Relative Risk

Evidence-based Medicine

Evidence Based Medicine: concept and application Identifying evidence, resources and their limitations

- Systematic reviews and meta-analysis of randomised Controlled trials
- Evidence syntheses
- Introduction to software for meta analysis

Learning Outcomes:

- By the end of the module students will have the knowledge and understanding to:
- Select appropriate statistical techniques for different types of research studies and hypothesis testing
- Select and use appropriate computer software for data processing and analysis and communication of research results

- Have advanced knowledge and critical understanding of types and uses of evidence in health care.
- Understand the application of evidence based medicine in clinical practice.
Understand treatment effect measures
- Understand the principles of systematic reviews and meta-analysis.

4. Medical Writing and Dissemination of the Research

Aims

This module will aim to equip participants with the knowledge and skills to understand the requirements of scientific writing for medical journals, policy documents and conferences. The students will develop skills to communicate clearly and logically the results of research.

Contents

- Why communicate-verbal & written communications
- Medical writing special features
- Journal publication-types of journals and Journal Indexing, citation & Impact Factor
- Types of publications, original papers, reviews, research reports & theses
- Oral presentations & Poster presentations
- Writing style
- Open access and online publishing
- Scientific misconduct Current issues in publishing
Systematic reviews
- Grey Literature
- Reporting of qualitative research
- Knowledge divide and the 10/90 gap in health research

Learning Outcomes

The students will be able to develop an

- Understanding of different types of medical writing
- Knowledge of journals access to published literature and publication issues
- Understanding of different ways of research dissemination

Skills Development

The students will be able to develop the following skills:

- Write different types of manuscripts
- Prepare oral and poster presentations
- Present research results in different forums critically
- Review published literature

5. Research Management and Governance

This module will help students to develop an understanding of the principles and practice of health research management and governance and skill to plan, implement, monitor and oversee the implementation of health research projects.

Contents

Project Management:

- Project Management Process
- project-the project terms of reference
- Work Plan
- Project team enablement
- Project monitoring
- Research Governance
- Priority setting for health
- research Intellectual Property
- Rights and Patients Academia
- Industry linkages
- Requirements for auditing and monitoring research

Learning Outcomes

The students will learn to:

- Develop and implement research plans
- Develop and train research teams
- Understand ethical requirements of research and oversee the ethical implementation of research projects

6. Health Economics

Aims

This module will enable students to understand the role of economics in healthcare provision and decision-making and provides skills to interpret and undertake economic evaluations of health care interventions in context of developing countries.

Contents

- The relationship between economic and health indicators
- Measures of disease and quality of life in health
- Economics. The economics of healthcare provision
- Economic evaluation, of health care
- Clinical and health-related measures: preference and utility
- Theory and practice of economic analysis
- Decision analysis: decision trees
- Discrete choice methods
- Policy applications

Learning Outcomes

By the end of module students will:

- Have a working knowledge of the conceptual foundations of economics
- Understand the strengths and weaknesses of economic methods when applied to the health sector particularly in relation to developing countries context.
- Grasp the policy implications that may result from economic evaluations
- Understand how economic forces can affect resource allocation and, with that, service provision in their various fields of work.

The students will develop skills to:

- Undertake cost-effectiveness analysis of research
- Interpret and conduct basic economic analyses of healthcare interventions
- Interpret comparative analysis and sources of variation
- Critically evaluate health policies in the light of economics.

7. Research Report / Thesis

Objectives

The Thesis represents the culminating experience required for the Program and may take the form of a research thesis, an evaluation study, or an intervention study. Each student is required to formally present the research experience and research findings in a viva voce or thesis defense.

As a requirement of the Program all students are required to develop a research protocol, collect and analyze data and write a thesis. This provides the students an opportunity to gain first-hand experience of conducting a complete research study.

The thesis committee supervises the students' research projects. Each thesis committee comprises of a thesis supervisor and at least one other faculty member from within the Program or within the University. In order to conduct their MHR thesis research, students are encouraged to seek funds by applying to the University or to national and international funding agencies.

Grading: Written Thesis and Thesis Defense (Pass/Fail)

CERTIFICATE IN HEALTH RESEARCH (CHR)

Introduction:

The Khyber Medical University (KMU)'s certificate in Health Research program is aimed at the development of health research capacity among health care professionals with the purpose to promote research in health academic institutions and the health care delivery in Khyber Pakhtunkhwa province specifically and Pakistan generally by practicing evidence based medicine and decision-making..

The course will provide opportunity for problems identification, prioritization, preparation of research project proposals including protocols preparation, literature search, planning research and budgets, reports and manuscripts writing and reviewing of proposals and articles. The course will impart the relevant knowledge through direct contact workshop sessions, lectures and tutorials and will constantly challenges the students understanding through assignments and to encourage guided self learning. The assignments will be specifically aimed at developing writing skills, critical appraisal of published literature, proposal development, undertaking research on the agreed topic, and implementation of the data generated This is an innovative course , first of its kind being offered in Pakistan and is designed to enhance career prospects and professional development of the participants through action research.

Aim

To develop practical skills in formulating research question, developing appropriate methodology, collecting relevant data, learning analytical skills and data analysis.

Objective

To develop capacity for high quality health research in health and other academic institutions of Khyber Pakhtunkhwa Province.

Structure of the Course

The duration of the course will be two months with a total of ten (10) contact days spread over two contact sessions in the form of workshop and assignments. Attendance at these contact sessions will be mandatory.

Web based learning will be done through a Virtual Learning Environment (VLE) with support from the teaching and university I.T staff. Web access to a virtual library will be allowed for every student, other resources and learning materials will be available on the program website.

Credit Hours

The course will be of 16 credit hours which have been divided into contact sessions and assignments.

Instructional Strategies

Constructivist approach shall be used. Problem based learning, hands on training and interactive participatory reflective sessions.

Lectures - Introduce key concepts, principles and knowledge content for

each module.

Workshops for hands on training and developing critical appraisal skills.

Small group tutorials to develop presentations and discussions skills and encourage group working.

Assignments

Assignments will only be given to students who will have attended workshop of that module. They will be based on application of knowledge at higher order cognitive skills development. Each assignment will be awarded one credit hour after it has secured a pass status.

Exit Assessment

At the end of 2nd contact session the students will have an Exit Exam.

Academic Quality

A student must have attended at least 90 % of the classes (Contact Sessions) held in a course and completed the assignment in order to be allowed to sit in the Final exit assessment in the second module of the same course or the next consecutive course.

Modules

This program offers the following modules;

Module I : Proposal Development & Medical Writing

Module II : Biostatistics and Data Analysis

Module I: Proposal Development & Medical Writing

Aim

To provide knowledge and skills for applying quantitative research methods for generating knowledge and evidence. The student are expected to develop a clear understanding of types of data, distributions and statistical tests and different study designs and their application for addressing a specific research question.

The students will develop skills to

- Identify researchable problems and develop research questions
- Design research studies and write research proposals
- Critical appraisal of published research

Learning outcomes

By the end of this module the students should be able to;

- Develop fundamental concepts of research and philosophy of research
- Design different types of research studies including descriptive, analytical and experimental studies
- Apply of evidence in clinical practice, health management and implementation of public health interventions.

Content

1. Orientation to Health Research (Foundations, Terms and Concepts, Knowledge, science and research, Health systems)History of Scientific Thought, Post---Positivists and Critical Realism
2. Literature search, Boolean operators and searching on INTERNET, literature review
3. Epidemiology, Social determinants of health and health equity, Variables
4. Research study types, Experimental Research and clinical trials
5. Validity, reliability, bias, Translational research
6. Health Care and Environmental Sustainability, Health Systems and Policy Research
7. Global research and the 10/90 gap in research

Module II: Biostatistics and Data Analysis

Aim

To develop knowledge and skills for processing and statistical analysis of health research data and the use of research generated evidence in medical practice and decision-making. The students are expected to develop an understanding of selecting and applying appropriate statistical methods for different research designs and of critically appraising the evidence and translating.

Learning Outcomes

By the end of this module the students should be able to;

- Select appropriate statistical techniques for different types of research studies and hypothesis testing
- Select and use appropriate computer software for data processing and analysis and communication of research results
- Have advanced knowledge and critical understanding of types and uses of evidence in health care.
- Apply evidence based medicine in clinical practice.
- Understand treatment effect measures.
- Understand the principles of systematic reviews and meta-analysis.

Content

Biostatistics

- Basic data types, distributions and analyses, estimation of confidence intervals
- Sample size calculation, Hypothesis testing
- Statistical tests for demonstrating differences and effect relationships
- Parametric and non-parametric tests for comparisons
- Correlations and regression, ANOVA; Multiple regression; Logistic regression
- Statistical Power- type I and II errors, calculating power
- Effect size calculation-Odds ratio and Relative Risk

Evidence-based Medicine

- Evidence Based Medicine: concept and application
- Identifying evidence: resources and their limitations
- Systematic reviews and met analysis of randomized Controlled trials, Evidence syntheses
- Introduction to software for meta analysis

Eligibility Criteria

MBBS/BDS, MD or equivalent qualification recognized by PMDC; BSc/MSc Nursing (Recognised by PNC); BSc/MSc/DPT Physiotherapy; BSc/MSc Paramedics; Pharm-B/Pharm-D; MSc Psychology. Computer literacy is MUST.

Application Procedure

The available Admission form on the university website www.kmu.edu.pk should be filled online and submitted. The course organizer will finally select the candidates after reviewing the application forms.

The candidates selected by the KMU management for the applied certificates will submit the required copies of their academic qualifications along with prescribed admission fee.

**KHYBER MEDICAL UNIVERSITYINSTITUTE OF BASIC
MEDICAL SCIENCES**



INTRODUCTION

Institute of Basic Medical Sciences is an off shoot stream to augment main stream. In addition to fixing focus on faculty development, research and technology and bringing it at par with international standards, the areas of interest / concern of IBMS would remain the following:-

1. To focus on further development of faculty member of all medical institutes in their respective capacities by offering MPhil/ PhD Programs.
2. Provision and expansion of the research activities in organized form.
3. Institutionalizing research in all affiliated medical and health institutions.
4. Provision of quality diagnostic services at competitive rates to the community.

VISION

IBMS will be the major hub of international quality academic and research activities in the field of basic medical sciences.

MISSION

To develop the academic faculty, flourish research and technology to international standards to benefit medical institutions and industry which ultimately will help in the economic growth of the nation.

OBJECTIVES

1. To expedite the academic growth and development in undergraduate medical education by providing properly qualified and trained basic sciences teachers.
2. To institutionalize research by producing more PhDs, particularly in the emerging fields of basic medical sciences like immunology and molecular biology.
3. To develop linkages with leading institutions nationally and internationally for collaboration and exposure of local research scholars.
4. To keep academicians updated via short refresher to disseminate latest academic and research advancement in the field of basic medical sciences.
5. To focus on regional medical issues and improve health standards of the local community via research.
6. to produce highly trained and qualified manpower to improve the quality of services delivered to the community.
7. To provide efficient, hi-tech and high quality diagnostic services at competitive rates directly or through a network of referral / collection facilities.

Career Opportunities

1. The IBMS provides a promising career opportunity to its MPhil / PhDs in the field of Basic Medical Sciences (BMS).
2. Most of such skilled professionals will join teaching and research career as faculty in Basic Medical Sciences Departments of national/international institutions.
3. Excellent opportunities for laboratory based career in medical marketing and research for graduates who wish to join the pharmaceutical industry.
4. Equally excellent opportunities for those joining industry, employed in R & D, Sales & marketing areas.
5. Better career in medical and dental institutions.

Outcomes

1. Better educated and trained health care professionals engaged as academicians, researchers and field practitioners will revamp the healthcare delivery system and replenish the academia in the medical education set up. The community will be the ultimate beneficiary due to better health facilities.
2. Trained human resource will successfully execute and streamline the operation of the Institute and will fill the vacuum in the growing healthcare institutes and industry.
3. Development of human resource, research and technology in this institute to help in the development of national economy.

These fully equipped research centers will produce qualified / quality human resource to fulfill national requirements for the development of academia. More foreign exchange can be generated by sending this trained manpower abroad to Middle East and other countries such as, Europe and USA for jobs in addition being an asset internally.

Admission

MPhil & MPhil leading to PhD selection on Open Merit

Admissions Criteria:

Sixteen years of schooling or minimum of 4 year education after FSc i.e. First division (60 %) aggregate in

1. MBBS
2. BDS
3. MBBS/BDS degree recognized by PMDC in relevant discipline with cumulative 1st division or a CGPA of 2.5 on the scale of 4.00 from HEC recognized University/Degree awarding Institution.
4. For MPhil leading to PhD in Microbiology & Biochemistry, BS in respective fields and in Pharmacology, D Pharm degree holders are also eligible.

Selection Criteria

1. Percentage of final professional examination to 35 marks.
2. Percentage of Entrance test to 10 marks
3. One mark per year of service in a recognized institution up to maximum of 5 marks.
4. Distinction 5 marks
5. Postgraduate Qualification 10 marks
6. Publication: : in HEC/PM&DC recognize journals maximum 5 marks
 - i. 1st author: 1.0 marks per paper
 - ii. 2nd & 3rd author: 0.5 marks per paper
 - iii. 4th and onward author: 0.2 marks per paper
7. Interview 30 marks. (Any applicant who secures less than 50% marks in interview shall be declared as unsuccessful).

Requirements for MPhil

1. MPhil program shall be comprised of course work of 30 credit hours and 20 credit hours of dissertation.
2. Degree shall normally be completed within four consecutive semesters.
3. The course requirements shall normally be completed in the first two semesters.
4. Dissertation based on research shall normally be completed by the end of the fourth semester.

5. Each MPhil student shall follow the syllabi and courses of studies as may be prescribed, by the academic council, from time to time.
6. All the semester examinations shall be held on the University campus.
7. English shall be the medium of instructions.
8. MPhil candidates shall be required to pay tuition fee and such other dues, as determined by the University from time to time.
9. 75 % attendance is mandatory for sitting in final examination (terminal exams)

Transfer from MPhil to PhD and requirements of PhD

In order to be eligible for admission to the PhD program, a candidate shall possess MS/MPhil or its equivalent degree or must have completed course work with CGPA of 3.0 or above in a relevant discipline from HEC recognized University/Institution.

Requirements for PhD degree

1. Additional PhD level course work of at least 18 credit hours followed by a comprehensive examination along with thesis will be essential for the award of PhD degree.
2. The candidate must have passed the subject GRE. The candidate is required to take at least 60% score in the test. In disciplines where this test is not available, equivalent test (GRE local) shall be developed locally by the University with minimum passing score of 70%.
3. Acceptance/publication of at least one research paper in HEC approved/recognized journal is essential before the submission of dissertation.
4. The requirements for PhD degree shall normally be completed within three years from the date of registration. The maximum time for the completion of PhD degree shall be six years from the date of registration in the PhD program. Only under exceptional circumstances, to be described in detail by the PhD candidate and supported by the supervisor, the AS&RB may allow extension of up to one year beyond the maximum time limit of six years.
5. Residence requirements of two years shall be necessary for students pursuing PhD program. However, in cases where supervisor and co-supervisor are satisfied that the research work can be carried out outside the university, residency requirements may be relaxed.

Registration in the University

1. A scholar for MPhil / PhD degree program shall be registered in teaching department / institution of the University.
2. Registrar of the university shall maintain a register of MPhil / PhD research scholars and assign a registration number to each scholar at the time of provisional admission.
3. A "notification of registration" for each candidate approved /allowed for admission to MPhil/PhD program shall be issued by the University.
4. Registration may be renewed on payment of the prescribed fee if a scholar is re-admitted within a year after having been struck off the rolls for any valid reason.
5. A person registered for the MPhil / PhD degree program shall be called MPhil / PhD research scholar.
6. Each student so selected shall be required to register and pay the dues within 14 days from the date of issuance of the notification of registration, failing which the admission of the selected candidate shall be deemed as cancelled. The tuition fee and other dues shall be determined by the university from time to time.

Registration of courses in the department/center/institution

1. At the beginning of each semester, MPhil/PhD research scholar shall be registered for the courses of study on the prescribed registration card.
2. The HOD shall forward within seven days of the commencement of the semester classes all the registration of course cards to the Controller of Examinations. MPhil/PhD research

scholar may change/drop course(s) within 15 days from the commencement of semester on the recommendations of the supervisor and the HOD concerned.

3. No change or drop of the registered course(s) shall be allowed after 30 days of the commencement of semester.
4. MPhil/PhD research scholar shall be allowed to withdraw from a course 2 weeks before the end of the classes in the semester subject to the approval by the course teacher and HOD. The withdrawn courses shall appear on the transcript with letter grade 'W'.
5. MPhil/PhD research scholar shall normally register for 15 credit hours courses in the regular semester.
6. MPhil/PhD research scholar dropping all the registered courses or choosing not to register in any course within fifteen days from the start of a semester shall deem to have dropped the semester.
7. No freezing/dropping shall be allowed in the first semester.
8. MPhil/PhD scholar dropping a semester shall be required to pay tuition fee for the semester.
9. MPhil/PhD research scholar may be allowed to transfer the credit hours from other accredited Universities/DAIs. The HOD shall evaluate and recommend the transfer of credit to Equivalence Committee for approval. No credit hour of a course shall be transferred if the letter grade is less than "B". If a PhD candidate with research in progress, transfers along with his supervisor, the Equivalence Committee on the recommendation of the HOD may allow a maximum of 15 credit hours courses to be transferred in MPhil and 09 credit hours in PhD.
10. The courses allowed to be transferred should be compatible with the syllabus of the University. The transferred course shall be marked as transferred on the transcript. The grade and the grade point of the transferred credit course shall be used in calculating the GPA and CGPA calculation.
11. MPhil/PhD research scholar shall be responsible for providing the letter grade and grade point from the last University/DAI attended.

Courses of Study

The courses of study and syllabi for the MPhil & PhD programs shall be submitted through the respective Boards of Studies to the Academic Council and the syndicate for approval. Such courses and syllabi shall become effective from the date of approval by the Academic Council or as decided by the Academic Council.

Fee Structure

Per Semester Fee Pakistani National	Rs.75,000
Per Semester Fee Foreign National	\$ 2200
KMU Registration Fee (One time)	Rs. 1,800
PMDC Registration Fee (One time)	Rs. 1,000
M. Phil Thesis Evaluation Fee (One time)	Rs.30,000
Ph.D Thesis Evaluation Fee (One time)	Rs.1,20,000

Note: The fee charged by PM&DC may change as per PM&DC requirement

Study Leave and No Objection Certificate

An employed person may be considered as a whole-time regular scholar with or without obtaining leave of absence, subject to production of:-

"A No objection certificate from the employer concerned to the effect that studies of the scholar in M. Phil / PhD degree program would not be affected by official duties".

Cancellation of Registration

If a scholar does not fulfill the requirements as prescribed, his registration shall stand cancelled..

Semester Outline and Learning Schedule

Program Outline for MPhil leading to PhD and PhD

Year 1 is divided into two Semesters of 20 weeks each

Course work (course work)	18 weeks
Comprehensive evaluation	02 weeks
Total	20 weeks

Year 2

Project synopsis writing	04 weeks
Research project	42 weeks
Dissertation defense	02 weeks

Total	<u>48 weeks</u>
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COURSES OUTLINE

During the first year of M. Phil leading to PhD program, students will have to complete their 30 credit hours course work. The course work will comprise of:

1. **Compulsory** courses for all the students irrespective of their field of specialty =08 Credit Hrs
2. **Core** courses in the respective field of specialty =22 Credit Hrs
3. As per HEC guidelines, all PhD scholars will be required to follow additional 18 credit hours courses in addition to the courses completed during their MPhil studies.

Note: 1 credit hour means 16 hours of lecturing. Credit hours shown as 2+1 or 2+0 means 2 credit hours of theory and 1 credit hr of practical while "0" means no practical.

Compulsory courses (for all specialties)		
BMS: 701	Cell Biology	1+0 Credit Hrs
BMS: 702	Medical Genetics and Molecular Biology	2+0 Credit Hrs
BMS: 703	Epidemiology and Biostatistics	2+0 Credit Hrs
BMS: 704	Communication Skills and Medical Writing	1+0 Credit Hrs
BMS: 705	Journal Club and Seminars/Symposia/ Conferences/Workshops	Non Credit
BMS: 777	Nano medicine	2+0 Credit Hrs

Core courses (specialty-wise courses)					
Mphil Leading To PhD In Anatomy			Mphil Leading To PhD In Biochemistry		
BMS: 706	Developmental Anatomy (Embryology)	3+1 Credit Hrs	BMS: 716	Amino Acids, Peptides & Proteins	2+1 Credit Hrs
BMS: 707	Microscopic Anatomy (Histology)	3+1 Credit Hrs	BMS: 717	Carbohydrates, Lipids and Membranes	2+0 Credit Hrs
BMS: 708	Neuroanatomy	2+1 Credit Hrs	BMS: 718	Enzymes	2+0 Credit Hrs
BMS: 709	Microtechniques	2+0 Credit Hrs	BMS: 719	Metabolism-I (Bioenergetics, Carbohydrates and Lipids)	3+0 Credit Hrs
BMS: 710	General Anatomy	1+0 Credit Hrs	BMS: 720	Metabolism-II (Proteins and Nucleotides)	2+0 Credit Hrs
BMS: 711	Anatomy of Upper and Lower Limb	2+1 Credit Hrs	BMS: 721	Nutritional Biochemistry	2+0 Credit Hrs
BMS: 713	Anatomy of Thorax	1+0 Credit Hrs	BMS: 722	Hormones and Cellular Signaling	2+1 Credit Hrs
BMS: 714	Anatomy of Abdomen and Pelvis	2+0 Credit Hrs	BMS: 723	Biochemistry of Specialized Tissues	2+1 Credit Hrs
BMS: 715	Anatomy of Head & Neck	2+0 Credit Hrs	BMS: 724	Biochemical Techniques	2+0 Credit Hrs

Mphil Leading To PhD In Physiology		
BMS: 725	Cell and Nerve Muscle Physiology	2+0 Credit Hrs
BMS: 726	Neurophysiology (Sensory, Motor, Autonomic and Special Senses)	4+1 Credit Hrs
BMS: 727	Blood, Cardiovascular and Respiratory Physiology	3+1 Credit Hrs
BMS: 728	Body Fluids, Renal & GIT Physiology	2+1 Credit Hrs
BMS: 729	Endocrinology & Reproductive Physiology	3+1 Credit Hrs
BMS: 730	Experimental Physiology	2+0 Credit Hrs

Mphil Leading To PhD In Pharmacology		
BMS: 733	General Pharmacology	2+0 Credit Hrs
BMS: 734	CNS Pharmacology	3+0 Credit Hrs
BMS: 735	ANS Pharmacology	2+1 Credit Hrs
BMS: 736	GIT, Hormones & Drugs Affecting Uterus	2+1 Credit Hrs
BMS: 737	Kidney, CVS & Respiratory System	2+1 Credit Hrs
BMS: 738	Clinical Pharmacology	2+0 Credit Hrs

BMS: 731	Aviation, Space & Deep-Sea Diving Physiology	1+0 Hrs	Credit
BMS: 732	Sports Physiology	1+0 Hrs	Credit

BMS: 739	Chemotherapy	3+1 Credit Hrs
BMS: 741	Anti inflammatory, Autacoids and drugs acting on blood	2+0 Credit Hrs

Mphil Leading To PhD In Histopathology			
BMS: 743	General Pathology	3+0 Hrs	Credit
BMS: 744	Cardiovascular & Respiratory System	2+1 Hrs	Credit
BMS: 745	GIT including Liver, Gall Bladder and Pancreas	2+1 Hrs	Credit
BMS: 746	Urinary and Genital Systems	2+0 Hrs	Credit
BMS: 747	Nervous System, Endocrine Glands and Breast	3+0 Hrs	Credit
BMS: 748	Skin and Soft Tissue	1+0 Hrs	Credit
BMS: 749	Lymph nodes, Spleen and Thymus	2+1 Hrs	Credit
BMS: 778	Head and Neck	1+0 Hrs	Credit
BMS: 779	Histopathological Techniques	1+1 Hrs	Credit
BMS: 780	Bones and Joints	1+0 Hrs	Credit

Mphil Leading To PhD In Haematology		
BMS: 743	General Pathology	3+0 Credit Hrs
BMS: 750	Disorders of Red Blood Cell	3+1 Credit Hrs
BMS: 751	Disorders of White Blood Cell	2+1 Credit Hrs
BMS: 752	Blood Group Serology & Coagulopathies	3+1 Credit Hrs
BMS: 753	Biochemistry of Blood	2+1 Credit Hrs
BMS: 754	Physiology of Blood, Blood Clotting & Immunity	2+1 Credit Hrs
BMS: 755	Drugs Acting on the Blood	2+0 Credit Hrs

Mphil Leading To PhD In Chemical Pathology			
BMS: 743	General Pathology	3+1 Hrs	Credit
BMS: 756	Kidney-Electrolytes & Endocrines	3+1 Hrs	Credit
BMS: 757	Carbohydrates and Lipids	2+1 Hrs	Credit
BMS: 758	Proteins, Enzymes & Vitamin	2+1 Hrs	Credit
BMS: 759	Hepatobiliary, Acid Base Disorder & Reference Ranges	3+1 Hrs	Credit
BMS: 760	Drug Monitoring	2+0 Hrs	Credit
BMS: 761	Quality Control	2+0 Hrs	Credit

Mphil Leading To PhD In Microbiology		
BMS: 762	General Microbiology	3+1 Credit Hrs
BMS: 763	Systemic Bacteriology I	3+1 Credit Hrs
BMS: 764	Systemic Bacteriology II	2+0 Credit Hrs
BMS: 765	Immunology & Disorders of the Immune System	2+1 Credit Hrs
BMS: 766	Medical Parasitology	2+1 Credit Hrs
BMS: 767	Virology	2+0 Credit Hrs
BMS: 768	Mycology	2+0 Credit Hrs
BMS: 781	Zoonosis and Human Health	2+0 Credit Hrs

Mphil Leading To Phd In Forensic Medicine And Toxicology			
BMS: 769	General and Special Toxicology	3+1 Hrs	Credit
BMS: 770	Anatomy, Odontology and Pathology (related)	2+1 Hrs	Credit
BMS: 771	Serology DNA profile, Medicolegal aspects of Marriage, abortion and Asphyxial deaths	2+1 Hrs	Credit
BMS: 772	Thanatology, Traumatology, Medical Jurisprudence and legal procedures	2+1 Hrs	Credit
BMS: 773	Forensic toxicological aspects of blood, hair and body Fluids i.e., semen, saliva etc.	2+0 Hrs	Credit
BMS: 774	Drugs Toxicology and its medicolegal aspects	2+0 Hrs	Credit
BMS: 775	Analytical Toxicology and toxicology of Therapeutic agents	2+0 Hrs	Credit
BMS: 776	Blood groups, Serology, DNA profiling and its applications in Forensic Medicine	2+1 Hrs	Credit

Phd Courses		
BMS: 801	Advances in Cell & Molecular Biology	2+1 Credit Hrs
BMS: 802	Advances in Medical Genetics	2+1 Credit Hrs
BMS: 803	Advances in Epidemiology and Biostatistics	2+1 Credit Hrs
BMS: 804	Advances in Research Methodology and Bioethics	3+1 Credit Hrs
BMS: 805	Research Techniques	1+1 Credit Hrs
BMS: 806	Computational Biology and Medical Bioinformatics	1+2 Credit Hrs
BMS: 899	Thesis	18+0 Credit Hrs

Evaluations

- Refers to **continuous assessment**, tests and examinations conducted at the end of a semester or a stage of the curriculum.
- Evaluation is used as a tool for **improvement in learning** as well as for certification.
- The faculty assesses **understanding of concepts** rather than memorization of facts, application of knowledge, competence in practical and clinical skills and appropriate professional behavior.

Evaluation of students **conducted at the end of the semester**, includes components from continuous evaluation during the semesters.

Academic Calendar

- Two semesters per year
 - Spring Feb - June
 - Fall Sept - Jan
- Modular in structure, each course of 1-3 Cr Hr rating
- **Duration:** 2-5 year program of MPhil leading to PhD.
 Minimum duration for

M. Phil = 2-3 years	(at least 30 Cr. Hr of course work)
Ph. D = additional 2-3 years	(at least 18 Cr. Hr of course work)

The program involves both theoretical & research components

- Candidate with an M. Phil degree can
 - move into Ph. D program after obtaining minimum GPA 3.0 in course work &
 - study for additional minimum of 18 CR Hr followed by comprehensive examination along with theses defense
- The Ph.D. program involves both theoretical & research components (details in separate document). For example, it primarily involves
 - Passing of Subject GRE
 - Additional 18 CR Hr
 - Comprehensive Examination
 - Theses defense
 - Seminars and research publication in Peer-reviewed journal

The disciplines offered for MPhil and PhD

1. Anatomy
2. Physiology
3. Biochemistry
4. Pharmacology
5. Pathology
 - a. Microbiology
 - b. Histopathology
 - c. Haematology

Subjects & allocation of seats

Distribution of Seats:

S. No	Name of Program	Baluchistan	FATA	Foreign Reserved Seats	Disabled Reserved Seat	Total No. of seats
1	Ph. D	02	02	02	--	The total number of seats in each discipline will be decided as per availability of number of supervisors in the respective discipline.
2	M. Phil	04	02	04	Only (01) seat for disabled candidates in M.Phil program	

Note: If the seats allocated for candidates from Baluchistan, FATA, Foreign countries and disabled applicants remain vacant, these vacancies will be converted to open merit seats. Policy for disabled candidates in public sector medical colleges will be followed

Faculty

S #	NAME	QUALIFICATION	DESIGNATION
DEPARTMENT OF ANATOMY			
1.	Dr. Najeebullah	PhD	Assistant Professor
2.	Dr.Zilli Huma	MBBS, PhD	Assistant Professor
3.	Dr.Najma Baseer	MBBS, PhD	Assistant Professor
DEPARTMENT OF BIOCHEMISTRY			
4.	Dr. Rubina Nazli	MBBS, PhD	Associate Professor
5.	Dr. Musharraf Jelani	PhD	Assistant Professor
6.	Dr. Roshan Ali	PhD	Assistant Professor
7.	Dr.Muhammad Shahzad	MBBS, PhD	Assistant Professor
8.	Dr.Muhammad Jaffar Khan	MBBS, PhD	Assistant Professor
DEPARTMENT OF HEMATOLOGY			
9.	Dr. Abid Sohail Taj	MBBS, MRC Path, PhD	Professor
10.	Dr. Nazish Farooq	MBBS, FCPS	Assistant Professor
11.	Dr.Yasar Yousafzai	MBBS, PhD	Assistant Professor
DEPARTMENT OF HISTOPATHOLOGY			
12.			
13.	Dr. Walayat Shah	PhD	Assistant Professor
14.	Dr.Asif Ali	MBBS, PhD	Assistant Professor
15.	Dr.Asif Naseer	MBBS, PhD	Assistant Professor
DEPARTMENT OF MICROBIOLOGY			
16.	Dr. Jawad Ahmed	MBBS, MSc, PhD, FCPP	Professor
17.	Dr. M Naeem Khattak	MBBS, MSc, PhD, MRC Path	Professor
18.	Dr. Tayyab ur Rehman	PhD	Assistant Professor
19.	Dr. Muhammad Tahir Sarwar	PhD	Assistant Professor
20.	Mr. Momin Khan	MPhil (PhD in Progress)	Assistant Professor
21.	Dr. Ihsan Ullah	MBBS, PhD	Assistant Professor
DEPARTMENT OF PHARMACOLOGY			
22.	Dr. Shafiq Ahmed Tariq	PhD	Associate Professor
23.	Dr. Niaz Ali	PhD	Associate Professor
24.	Dr. Sami Siraj	PhD	Assistant Professor
25.	Dr. Aslam Khan	PhD	Assistant Professor
DEPARTMENT OF PHYSIOLOGY			
26.	Dr. Fazal Wahab	PhD	Assistant Professor
27.	Dr. Mohsin Shah	PhD	Assistant Professor

Visiting Faculty

Name	Qualifications MPhil/PhD	Area of Specialization	Designation with institution
Dr. Fazal Raziq	MBBS, FCPS	Hematology	Professor Rehman Medical Institute
Dr. Tauseef Raza	MD, PhD	Anatomy	Assistant Professor KMU Institute of Medical Sciences
Dr. Farmanullah Wazir	MBBS, PhD	Physiology	Professor KMU Institute of Medical Sciences
Dr. Muhammad Afzal	MBBS, MPhil	Anatomy	Professor Gandahara College of Pharmacy
Dr. Muhammad Asim	PhD	Biostatistics	Associate Professor University of Peshawar
Dr. Hamid Hussain	MBBS, MPhil	Epidemiology	Associate Professor, KMU-IMS, Kohat
Dr.Nuzhat Sultana	MBBS,FCPS	Histopathology	Assistant Professor Khyber Medical College, Peshawar
Dr.Zia Ul Haq	(PhD Glasgow, UK)	Epidemiology	Associate Professor IPH&SS

**KHYBER MEDICAL UNIVERSITY INSTITUTE OF PUBLIC
HEALTH AND SOCIAL SCIENCES**



PDA Building Block-I, Phase – V, Hayatabad, Peshawar
Tel: +919217268, +915816580, www.kmu.edu.pk

Vision

To make Institute of Public Health & Social Sciences a leading public health institute.

Mission

To produce highly qualified public health specialists able to provide preventive and promotive health services to the community with effective communication and research skills.

**Objectives**

1. Equip the students with the knowledge and skills to identify, critically analyse and to deal with the public health problems.
2. Prepare the students to bring knowledge into practice.
3. Develop the communication skills of the students for effective communication with all stakeholders.
4. Develop theoretical knowledge and practical skills in the field of research.

Outcomes

The students will be able to;

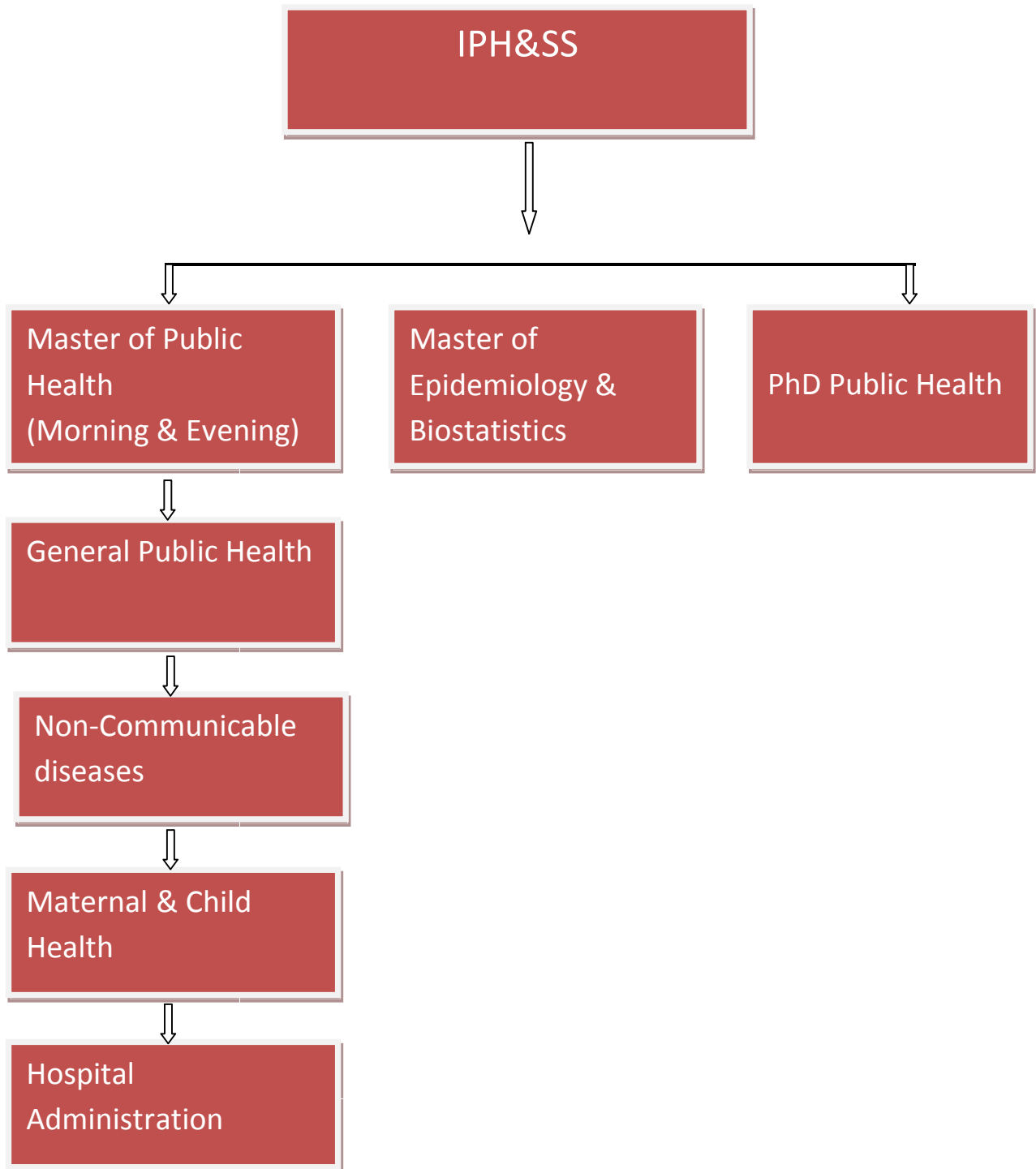
1. Identify and analyse the public health problems.
2. Develop strategies to deal with public health problems.
3. Conduct, analyse and interpret the research findings.
4. Communicate effectively with all the stakeholders.
5. Do advocacy with the policy makers.
6. Educate general population to increase awareness of public health problems.

PAKISTAN MEDICAL & DENTAL COUNCIL (PMDC) ACCREDITED PROGRAM

Program offered at the Institute are accredited by Pakistan Medical and Dental Council having the Regulatory Body.

CORE FACULTY

1. Dr. Ayaz Ayub, Assistant Professor (DHP&M, FCPS-1, MPH, Australia)
2. Dr. Hamid Hussain, Associate Professor (MBBS, Msc Epidemiology, Agha Khan)
3. Dr. Zia Ul Haq, Associate Professor (PhD Glasgow, UK)
4. Dr. Muhammad Naseem Khan, Assistant Professor (PhD Liverpool, UK)
5. Dr. Ayesha Imtiaz, Assistant Professor (MPH, Australia)
6. Dr. Naheed Mahsud, Lecturer (MPH, Pak)



1. MPH (General) Program

A Master in Public Health degree is designed to prepare students to address the broad mission of public health, defined as “ enhancing health in human populations through organized community effort “, utilizing education, research, and community service. Why do we need MPH qualified personnel?

- The Ministry of Health (Federal) has identified the need for 4000 Public Health Science, qualified personnel in Pakistan.
- The current number of MPH qualified persons is about 200 (GTZ consultant, HSA, Islamabad).
-

Current Status of Public Health in Khyber Pakhtunkhwa

Access: Doctors, health specialists; health managers do not have access to recognized/accredited programs of public health science.

Quality: Public Health education programs lack good quality to meet the needs and demands of the Health Sector in NWFP.

Relevance: The teaching, training and research in Public Health are not relevant to the needs of the Province and the Country.

The KMU MPH program endeavors to fulfill the needs and demands of the province and the country in educating and training the Public Health human resource.

Objective of MPH Program

- To develop a Public Health human resource who understand the basic principles of public health, epidemiology, biostatistics, healthcare management, and public health policy.
- To develop persons who can critically identify public health problems and use their theoretical knowledge and skill developed through the program to characterize them at the population level.
- To develop professionals who will be able to design and conduct epidemiological studies, manage and analyze public health data, and use the results to design interventions and control strategies as part of public health policy.
- To produce professionals with conceptual and technical skills in institutional management.
- To provide professionals with tools to function at all levels of the health and social sectors: local (public/private), provincial, federal; and in all settings: academic/research institutes, advocacy groups, and service organizations like hospitals, family health clinics and/or primary health care centers.
- The program endeavors to produce a valuable human resource – Public Health Specialists for the Khyber Pakhtunkhwa Province and the country.

2. MPH (Maternal, Neonatal & Child Health)

Mission Statement:

The Master of Maternal and Child Health program is designed to train individuals to become responsible and productive public health professionals with an emphasis on MCH populations.

Objectives:

Upon completion of the course of the Master in Maternal and Child Health, individuals will gain a broad understanding of the field that focuses on the health and welfare of women and children. Competencies addressed include the following:

1. An understanding of the biological, social, and behavioural basis for a MCH program; knowledge of the historical development of the field of MCH.
2. An understanding of the normal patterns of human growth and development.
3. Understand major health issues of women and child health following life course approach.
4. Identify the determinants and impact of the major health problems that are present during pregnancy, infancy, childhood and adolescence.
5. Understand and interrelate Maternal and Child Health.
6. Acquire knowledge and skills to assess the healthcare needs of women and children.
7. Develop professional and academic skills in research and management.
8. An understanding of the design, implementation, and evaluation of MCH policies and programs with an ability to identify essential gaps in existing programs serving mothers and children.
9. Apply research methods to analyse maternal and child health problems and identify solutions to them.
10. Develop knowledge and skills for effective management and prevention of these problems at community level.

3. MPH (Non-Communicable Disease)

Vision

To make the Institute of Public Health & Social Sciences a leading public health institute that produces leaders, innovators and researchers in public health profession.

Mission

To produce highly qualified public health specialist able to address the public health needs and provide preventive and promotive health services to the community with effective communication and research skills.

Goal

To provide an introduction to the key areas and methods in epidemiology of non-communicable diseases

Objectives

On completion of this program students should be able to:

1. Define the scope of non-communicable diseases epidemiology and appreciate the changing importance of non-communicable diseases as a major public health burden in different parts of the world.
2. Explain the rationale for a life-course approach to the aetiology of non-communicable diseases.
3. Explain how functional genetic variant associations with common chronic diseases can provide robust estimates of the effects of environmental exposures on these diseases.
4. Explain the concept of screening for disease control and how it can be used as a tool in public health.
5. Describe the role of infectious agents in the aetiology of non-communicable diseases.
6. Apply the theoretical knowledge gained through the course to developing NCD prevention and control strategies.
7. Analyse the burden of NCD globally and at a national level in terms of the magnitude of the problem (economic burden, social burden and future impact).
8. Assess the social, political, environmental, cultural and economic factors contributing to the burden of NCDs in low and middle-income countries.

4. Master in Hospital Administration (MHA) Program

GOAL

A Master in Hospital/Healthcare Administration degree is designed to develop the capacity of Managers for provision of quality healthcare in the most efficient and cost effective manner.

MISSION

To produce highly qualified institutional healthcare specialists able to provide and satisfy healthcare needs of the community through best institutional practices applying national and international accrediting standards.

Current Status of Institutional Healthcare Specialists in Khyber Pakhtunkhwa:

Access: Doctors, health specialists; health managers, entrepreneurs do not have access to recognized/accredited programs of Healthcare/Hospital Administration.

Quality: Public Health education programs lack focused training and teaching programs in hospital administration to meet the needs and demands of the Health Sector in Khyber Pakhtunkhwa.

Relevance: The teaching, training and research in Public Health are not relevant to the Healthcare/Hospital administration needs of the Province and the Country.

MHA PROGRAM: OBJECTIVES

The KMU-MHA program has the following objectives:

1. To equip the students with the knowledge and skills to identify and critically analyze and to deal with various aspects of healthcare administration.
2. To prepare the students to bring knowledge into practice through in all healthcare facilities.
3. To develop the communication skills of the students so that they can communicate effectively with the professionals as well as the community.
4. To develop theoretical knowledge and practical skills in the field of administration and operational research.

ADMISSION POLICY FOR ALL MPH PROGRAMS

1. Eligibility Criteria:

Sixteen years (16 years) of education in the following fields:

MBBS, MD, BDS or equivalent qualification (Recognized by PMDC), BS Nursing (4 years Generic) or BSc Post-RN)(Recognized by PNC), B.S Paramedics, B. S Vision Sciences, B.S Human Nutrition, B.S Physical Therapy or DPT, Pharmacy (Pharm-B, Pharm-D) (Recognized by Pharmacy Council), BS Prosthetics and Orthotics Sciences& DVM.

2. Selection Criteria

- a. Academic qualification percentage of aggregate of final professional examination to 50 marks.
- b. Experience: 01 mark per year for service in Government/Semi-autonomous/Autonomous/Recognized private institutions and organizations like WHO/UNICEF up to maximum of 10 marks.
- c. Publications: In HEC/PMDC recognized journals maximum 05 marks
 - 1st Author:1.0 mark per paper
 - 2nd and 3rd Author:0.5 mark per paper
 - 4 and onward Author:0.2 mark per paper
- d. Post graduate qualification registered with relevant council 05 marks for minor and 10 marks for major degree.
- e. Interview 25 marks. Candidates who secures less than 50% marks in interview will be declared unsuccessful



3. Seats distribution for each MPH Program

S. No	Name of Program	Baluchistan	FATA	Foreign Reserved Seats	Open Merit(Khyber Pakhtunkhwa/ FATA/PATA)	Total Seats
1	M.P.H General (Morning)	04	02	02	17	25
2	M.P.H General (Evening)	02	01	-	22	25
3	M.P.H (MNCH) (Morning)	02	02	02	19	25
4	M.P.H (NCDs) (Morning)	02	02	02	19	25
5	M.P.H (Master in Hospital Administration) (Morning)	02	01	-	22	25

Note: If the seats allocated for candidates from Baluchistan, FATA, Foreign countries and disabled applicants remain vacant, these vacancies will be converted to open merit seats.

4. Fee Structure

For Pakistan Nationals:	Rs 57,000 (MPH Morning) per semester
For Pakistan Nationals:	Rs 67,000 (MPH Evening) per semester
For Foreign Nationals:	\$ 2,200 per semester
KMU Registration Fee:	Rs. 1,800 (Once in program)
PMDC Enrolment fee	Rs. 1,000 (Once in program)

Note: The fee charged by PM&DC may change as per PM&DC requirement

PROGRAM DURATION AND CREDIT HOURS:

The MPH Program has a two-year curriculum having 60 credit hours. In a given year, the session starts from February.

The medium of instruction for all courses in the MPH program is English. The conduct of courses rests upon the imagination and individuality of the course teacher. However, the general methods of teaching may be employed that include lectures, group discussions, seminars, demonstrations, field visits, etc.

The 1st semester offers 8 modules, culminating in a total of 20 credit hours while the 2nd & 3rd semester offers 7 modules each, culminating in a total of 17 credit hours each and the 4th semester offers MPH Thesis of six credit hours. One credit hour is defined as one hour of contact teaching in a class room setting in a week for 16 weeks in a semester. A three credit hour course translates to three hours of teaching in a class room setting per week in a semester. The duration of one semester will include a total of 18 weeks that will be arranged as follows:

Week 1 – Week 8	:	Teaching and training
Week 9	:	Mid-term Exam
Week 10 – Week17	:	Teaching and Training
Week 18	:	Final Exam

ACADEMIC QUALITY

A student must have attended at least 75% of the classes held in each course module in order to be allowed to sit in the Final Examination of the respective semester. The students having shortage of their attendances will have to complete their deficiency to make them eligible to appear in the exam.

FACILITIES

Learning Resource Center (LRC)

- ❖ IPH&SS has a well-equipped learning resource centre. It has twenty computers which are connected to worldwide web.
- ❖ HEC digital library and Medline is accessible to all students. It has a large variety of books related to Public Health.
- ❖ LRC can be used for individual reading purposes.
- ❖ Students are facilitated by the Computer Lab Manager for preparing the assignment / productions or any sort of work given by their teachers.



Library/Disciplinary Rules and Regulations

Library rules and discipline rules as prescribed by KMU will be followed.

Hostel / Accommodation

No hostel facilities are available. Student will have to arrange their own accommodation.

Field Visits

The IPH&SS arranges field visits to different places of public health importance and different ongoing Programs of Department of Health, Khyber Pakhtunkhwa.

EXAMINATIONS

1) Method of Examination: As per KMU Examination Rules

2) Registration

Students will be registered with Khyber Medical University, Peshawar within a week after the admission.

COURSES

SEMESTER WISE DISTRIBUTION OF COURSE

The curriculum of Masters in Public Health shall extend over 2 years (4 Semesters). The course is organized as follows.

Year 1 Semester 1			Year 1 Semester 2		
MPH 611	Epidemiology – Introduction to theory and practice	03	MPH 622	Epidemiology – Application to theory and practice	03
MPH 612	Statistical Methods in Public Health	03	MPH 624	Nutrition	03
MPH 613	Communicable & Non Communicable Disease Control	03	MPH 621	Public Health Management & Policy	03
MPH 616	Technical Report Writing & Basic Communication Skills	03	MPH 625	Health Economics	03
MPH 615	Computer Applications in Public Health	03	MPH 623	Occupational Health & Environmental Hazards	03
MPH 614	Health Education & Promotion	03	MPH 628	Field Visits	01
MPH 618	Field Visits	01	MPH 627	Graduate Seminar	01
MPH 617	Graduate Seminar	01			
	Total	20		Total	17
Year 2 Semesters 3			Year 2 Semester 3 for MPH (NCD)		
MPH 631	Hospital Management	03	NCD 631	Epidemiology of NCDs	03
MPH 632	Community Interventions in Reproductive Health	03	NCD 632	Economics of NCDs	03
MPH 633	Primary Health Care	03	NCD 633	Key NCDS	03
MPH 634	Research & Ethics	03	NCD 634	Research & Ethics	03
MPH 635	Project Management	03	NCD 635	Project Management	03
MPH 638	Field Visits	01	NCD 638	Field Visits	01
MPH 637	Graduate Seminar	01	NCD 637	Graduate Seminar	01
	Total	20		Total	17
Year 2 Semester 3 for MPH (MNCH)			Year 2 Semester 4		
MNCH 631	Women, Gender and Health	03	MPH 699	MPH Thesis	06
MNCH 632	Children's Health: Programs and Policy	03			
MNCH 633	Public health approaches to maternal and child health	03			
MNCH	Research & Ethics	03			

634					
MNCH 635	Project Management	03			
MNCH 638	Field Visits	01			
MNCH 637	Graduate Seminar	01			
	Total	17		Total	6

ELECTIVE COURSES			NUMBER OF CREDIT HOURS PER SEMESTER		
MPH 629	Introduction to Behavioural Health	03		Semester I	20
MPH 630	Mental Health	03		Semester II	17
MPH 631	Health Management Information System(HMIS)	03		Semester III	17
MPH 632	Survey Design and Data Collection	03		Semester IV	06
MPH 633	Health Management & Accounting	03			
MPH 634	Disaster Management	03			
MPH 635	Best Practice Models in Family Health	03			
MPH 636	Health Policies	03			
MPH 637	Models of Health Care System	03			
MPH 638	Community Intervention, Program Development & Evaluation	03			
MPH 639	Practicum	03			
	Total	33		Total	60

Year 2 Semester 3 for MPH (NCD)		
Year 2 Semester 3 for MPH (MHA)		
MPH 518	Research & Ethics	3
MPH 507	Hospital Management	3
MHA 545	Human Resource Development in Hospitals	3
MHA 546	Structure of Contemporary healthcare organizations	3
MHA 547	Introduction to Auxiliary Services in Healthcare facilities	3
MPH 501	Graduate Seminar	1
	Total	16

MSc. EPIDEMIOLOGY & BIO STATISTICS

Objectives of the Program

Objectives:

- To equip students with basic knowledge of epidemiology & biostatistics
- To acquire quantitative skills essential for research in modern epidemiology
- To develop various skills to design and conduct epidemiological studies
- To develop skills to summarize, organize, analyze and present data
- To have command on use of statistical soft wares STATA, SPSS and other basic soft wares
- understand and conduct high quality health research

Eligibility Criteria

Sixteen years (16 years) of education in the following fields:

- MBBS, MD, BDS or equivalent qualification (Recognized by PMDC) with one year of house Job
- BS Nursing 4 years Generic or Post RN (Recognized by PNC).
- BS Paramedics, B.Sc Vision Sciences.
- B.Sc Human Nutrition.
- B.Sc Physical Therapy or DPT Physiotherapy.
- Pharmacy (Pharm-B, Pharm-D) (Recognized by Pharmacy Council), BS Prosthetics and Orthotics Sciences & DVM.

Selection Criteria

1. Percentage of final professional examination to 40 marks.
2. Percentage of Entrance test to 30 marks.
3. One mark per year of service in a recognized institution up to maximum of 5 marks.
4. Publication in HEC recognize journals maximum 5 marks
 - i. 1st author: 1.0 marks per paper
 - ii. 2nd & 3rd author: 0.5 marks per paper
 - iii. 4th and onward author: 0.2 marks per paper
5. Interview 20 marks. (Any applicant who secures less than 50% marks in interview shall be declared as unsuccessful).

Allocation of seats: 15

Total seats:	15 seats
a. Open Merit	07 seats
b. Baluchistan	04 seats
c. FATA(Special Seat)	02 seats
d. Foreign Reserved Seats	02 seats

Note: If the seats allocated for candidates from Baluchistan, FATA and Foreign countries applicants remain vacant, these vacancies will be converted to open merit seats.

Fee structure: It is a four semester program. Each semester is

1. Pakistani National Rs. 57,000 per semester
2. **Foreign Nationals:** \$ 2,200 per semester
3. KMU Registration Fee Rs. 1,800 Once
4. PM&DC Enrolment Fee Rs. 1,000 Once

Note: The fee charged by PM&DC may change as per PM&DC requirement

M.Sc. EPIDEMIOLOGY & BIOSTATISTICS

SEMESTER 1 YEAR 1			
S. No	Code	Course	Credit Hour
1	MEB 611	Basic Epidemiology	2
2	MEB 612	Fundamental of Biostatistics	3
3	MEB 613	Epidemiology study designs	2
4	MEB 614	Demography and Survey Methods	2
5	MEB 615	Computer Applications (MS Word, PowerPoint, Excel, SPSS)	2
6	MEB 616	Mini Project	2
7	MEB 617	Journal Club	2
8	MEB 618	Communication Skills	1
Total			16
SEMESTER 2			
S. No	Code	Course	Credit Hour
1	MEB 621	Sampling technique and sample size	2
2	MEB 622	Inferential Statistics, estimation, significance and hypothesis testing	4
3	MEB 623	Study designs at advance levels	4
4	MEB 624	Research Methodology/ Qualitative research	3
5	MEB 625	Computer applications (Epi-info, STATA 12)	3
6	MEB 627	Journal Club	2
7	MEB 626	Full Economic Analysis	2
Total			20
SEMESTER 3 YEAR 2			
S. No	Code	Course	Credit Hour
1	MEB 631	Applied Epidemiology	3
2	MEB 632	Correlation, regression analysis: linear, logistic, multilevel	3
3	MEB 633	Role of chance, bias and confounding	2
4	MEB 634	Causal Diagram (DAGs)	2
5	MEB 635	Systematic review and meta-analysis	2
6	MEB 636	Ethics- Clinical, public health and research	2
7	MEB 637	Journal Club	2
8	MEB 638	Proposal Development	2
Total			18
SEMESTER 4 YEAR 2			
S. No	Code	Course	Credit Hour
1	MEB 699	Thesis	6

PhD Public Health

The doctoral level of training in public health at IPH&SS-KMU will develop a team of experts who will be trained to assess the practical problems of the country and conduct quality research for finding solutions to those problems and incorporating the changes through a sound health policy for better health of the people.

Program Aim and Objectives

The main aim of this PhD program is to produce a trained team of experts with best level of skills in research and academia in the field of public health to prevent disease, promote health, and prolong life among the population as a whole.

The objectives of the PhD in Public health program will be to

- Develop trained human resource in research skills and methodology in the field of public health;
- Conduct quality and credible research in the field of public health;
- Develop leadership for academic, research and service sectors of public health.

Program Structure and Evaluation

The PhD program will require additional PhD level course work of at least 18 credit hours followed by a comprehensive examination at the end of course work as per HEC criteria. Upon success in the comprehensive exam, the candidate will follow his/her research work leading to submission and defense of thesis and if successful the award of PhD degree (Figure 1).

Annual review process

Year 1

First year of PhD is comprised of advanced courses of PhD, spread across two semesters. Each semester will include courses of 9 credits. The final Comprehensive exam (maximum 2 attempts) will be conducted by the examination department of KMU. On successful completion of the course work, the student has to present a research proposal in a Departmental Graduate committee meeting which will be organized by the concerned PhD Coordinator. In addition to the permanent members of the Graduate committee, one or more subject specialist should participate from within or outside KMU. This should be followed by submission of “PhD Student Review Form” (Annexure 1), literature review and defense of research proposal in the annual review meeting of the Advanced Studies Review Board (ASRB), especially arranged for the PhD students.

Year 2 and Year 3

The annual review process of Year 2 and 3 include submission of “PhD Student review form” and a presentation to the institutional Graduate committee on six monthly bases organized by the concerned PhD Coordinator. This is followed by submission of “PhD Student review form”, scientific report, and presentation in the annual ASRB meeting. The annual review process should be

completed by students and supervisors by 31st January. Any student starting late will normally be permitted to delay submission of their annual report until 31st March.

Scientific report

A scientific report preferably in the style of a journal article (6 to 10 pages maximum is recommended) summarizing progress made in the last year. It may therefore contain an abstract, introduction, materials and methods, results and discussion. In addition, there should be a 500-1000 word section at the end of the report detailing the following year's work. To be sent to supervisor for assessment and comment (half a page maximum) and subsequently submitted to the PhD Coordinator and ASRB.

Presentation in the ASRB Meeting

All PhD students are required to deliver oral presentation by the end of year in the ASRB annual meeting, especially organized for them. This is followed by discussion with the ASRB members, including minimum of two subject experts. The ASRB will then take decision regarding the registration of student for the next session.

Thesis pending period

Final year interview - Students within a year of the absolute thesis submission deadline will be interviewed specifically on their progress in the ASRB annual review meeting.

Intention to submit form

An Intention to Submit form will be submitted to the PhD coordinator prior to the intended thesis submission date. This form initiates the identification and appointment of a committee of examiners for each thesis.

Submission of thesis

The research work and award of degree will be supervised by a HEC recognized PhD supervisor and co-supervisor from related areas of expertise. Upon admission to PhD program a supervisor will be allotted to the enrolled student who will guide the student in the selection of his area of research along with the development of research proposal and protocol. The supervisor and co-supervisor will also ensure that the student develop essential skills according to his area of research.

Acceptance/publication of at least one research paper in HEC approved/recognized journal (preferably in W category) is essential before the submission of dissertation.

The requirements for PhD degree shall normally be completed within four years from the date of registration. The maximum time for the completion of PhD degree shall be six years from the date of registration in the PhD program. Only under exceptional circumstances, to be described in detail by the PhD candidate and supported by the supervisor, the PhD advisory committee may allow extension of up to one year beyond the maximum time limit of six years.

Evaluation of the doctoral thesis by 2 eminent foreign examiners from scientifically advanced countries, approved by HEC. The Plagiarism test must be conducted on the Dissertation before its

submission to the two foreign experts. An open defense of Dissertation is essential part of PhD Program after positive evaluation. Viva voce examination by 2 national experts, approved by HEC. A copy of Ph.D. Dissertation (both hard and soft) must be submitted to HEC for record in Ph.D. Country Directory and for attestation of the PhD degree by the HEC in future.

Registration in the University

- i. A scholar for PhD degree program shall be registered in teaching department / institution of the University.
- ii. Registrar of the university shall maintain a register of PhD research scholars and assign a registration number to each scholar at the time of provisional admission.
- iii. A "notification of registration" for each candidate approved /allowed for admission to PhD program shall be issued by the University.
- iv. Registration may be renewed on payment of the prescribed fee if a scholar is re-admitted within a year after having been struck off the rolls for any valid reason.
- v. A person registered for the PhD degree program shall be called PhD research scholar.
- vi. Each student so selected shall be required to register and pay the dues within 30 days from the date of issuance of the notification of registration, failing which the admission of the selected candidate shall be deemed as cancelled. The tuition fee and other dues shall be determined by the university from time to time.

PhD Courses

Semester 1

BMS: 803 Advances in Epidemiology and Biostatistics (2+1 Credit Hrs)
 BMS: 804 Advances in Research Methodology and Bioethics (3+1 Credit Hrs)
 PH: 801 Principles of Public Health (1+1 Credit Hrs)

Semester 2

PH: 802 Advances in Systematic review and meta-analysis (2+1 Credit Hrs)
 PH: 803 Advances in Data Handling and Appraisal (2+1 Credit Hrs)
 PH: 804 Advances in Qualitative research method (2+1 Credit Hrs)

Seats distribution and Fees

The number of seats and tuition fee may be determined by the KMU from time to time.

Fee Structure:

Per Semester Fee Pakistani National	Rs.75,000
Per Semester Fee Foreign National	\$ 2200
KMU Registration Fee (One time)	Rs. 1,800
PMDC Registration Fee (One time)	Rs. 1,000
Ph.D Thesis Evaluation Fee (One time)	Rs.1,20,000

Admission to PhD

Qualification

For admission into the PhD minimum CGPA 3.0 (out of 4.0 in the Semester System) or First Division (in the Annual System) in M.Phil/M.S degree in any Public health discipline from a PMDC/HEC recognized university/institution.

Admission criteria and procedures

- i. Each candidate shall make an application for admission to PhD program in response to an advertisement by the university on the prescribed form along with documents specified in the form.
- ii. The allocation of marks for determining merit for admission to PhD program shall be as following:
 - Academic record 40%
 - Admission test 40%
 - Interview 20%

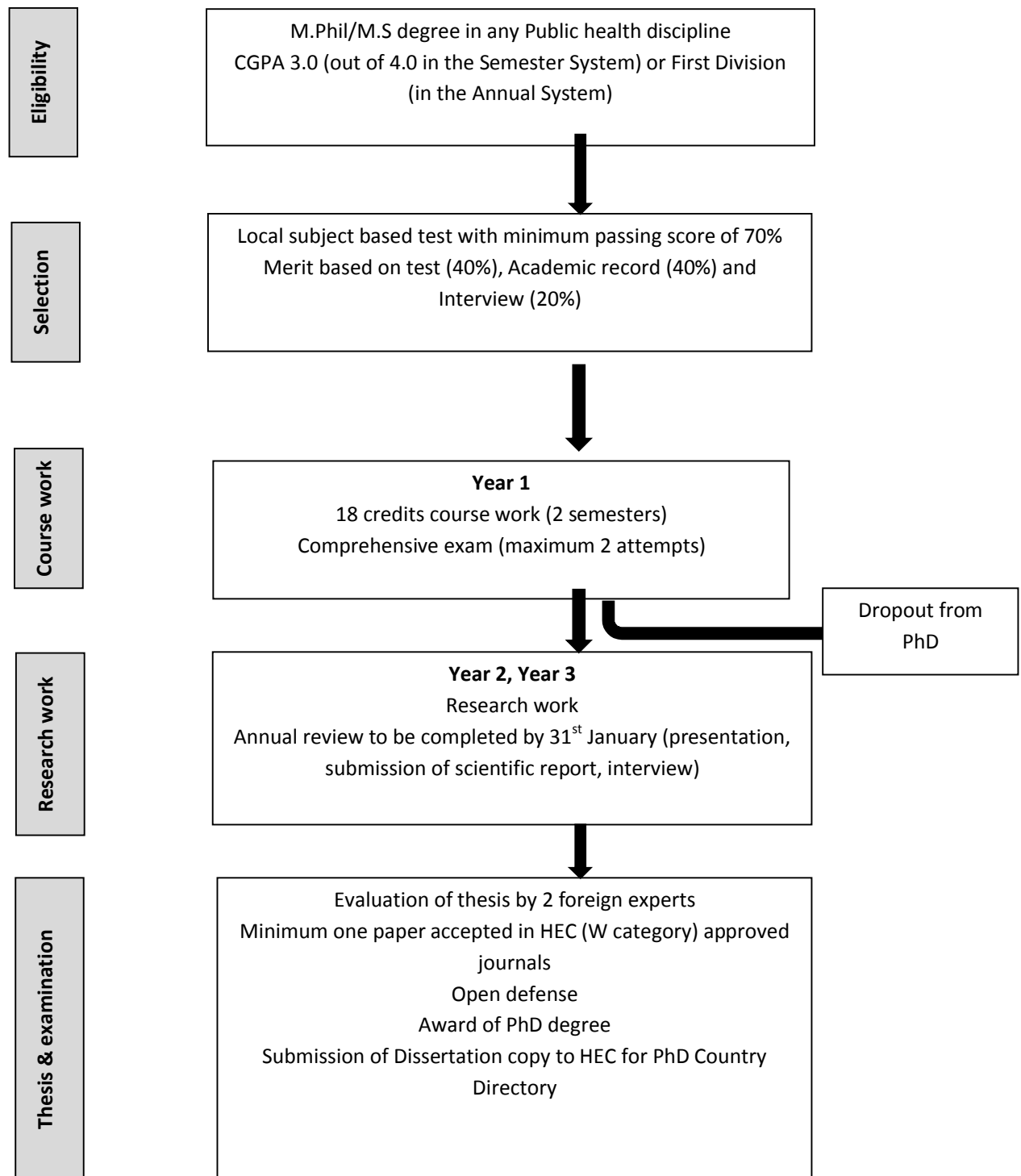
The candidate must have passed the admission test (public health [70%], English verbal [15%], and analytical reasoning [15%]), developed locally by the University with minimum passing score of 70%.

- iii. Successful candidates in the above test will submit a two pager synopsis on the topic that candidate may like to pursue for his/her doctoral thesis. Synopsis must reflect the background, rationale, research question & objectives, proposed methodology and expected outcomes of the research.

The Khyber Medical University Peshawar PhD Regulations 2011

The Khyber Medical University Peshawar PhD regulations 2011 will be followed to govern the matters relating to admissions, registrations and examinations for the PhD program.

Figure 1: Flow diagram of PhD program at IPH&SS KMU



**KHYBER MEDICAL UNIVERSITYINSTITUTE OF PHYSICAL
MEDICINE AND REHABILITATION**



Near Hayatabad Medical Complex, Phase-IV, Hayatabad, Peshawar
Tel: +919217266, www.kmu.edu.pk

INTRODUCTION

Khyber Medical University Institute of Physical Medicine and Rehabilitation is the only public sector institute in Khyber Pakhtunkhwa province offering clinical Doctorate in Physical Therapy. The institute was established in January 2009 in the aftermath of 'earthquake 2005' that severely affected northern areas of the country. Initially, the institute offered 4-year degree program in physical therapy. However, the program was updated to clinical doctorate after realizing the need for highly qualified clinical physiotherapists in the country. Apart from offering undergraduate course, the institute offers Masters program in physical therapy in two disciplines; Musculoskeletal and Neurological Physical therapy. The institute is well-equipped with human resource, having highly qualified physiotherapists graduated from developed countries; United Kingdom and Australia. The institute will soon, by 2016, be offering a PhD program in physical therapy that will give it a distinctive position in the country by facilitating the latter program by a full time faculty member who just completed his PhD in physiotherapy from the United Kingdom. This program would also be facilitated by internationally renowned researchers in physiotherapy from United Kingdom and Oman.

The DPT program in the institute is 5-year clinical doctorate program registered with Higher Education Commission, Pakistan. This program equips physical therapy graduates with advanced and specialized clinical rehabilitative skills in physical therapy that enable them to provide scientific and updated evidence-based physical therapy approaches while dealing patients in indoor and outdoor facilities. Moreover, this enables the graduate students to receive scientific knowledge and skills that are deemed essential to critically evaluate and contribute to current research in the basic and the applied sciences relevant to disorders of the musculoskeletal, cardiopulmonary and neurological systems. Apart from the latter inherent characteristics in the program, it is designed to meet both national and international standards fulfilling criteria for further higher education in physical therapy. By the grace of Almighty Allah, the students graduated from the institute are doing their jobs in the well-known hospitals (Rehman Medical Institute, North West General Hospital, and Al-Khidmath General Hospital), special centers designed for rehabilitation (Paraplegic Centre Peshawar, Pakistan Institute of Prosthetic and Orthotic, Akbar Care Institute) and academic institutes (Institute of Physical Medicine and Rehabilitation, College of Rehabilitation Sciences RMI, Northwest Institute of Health Sciences, National College of Sciences) in the province.

VISION

The institute will be the leader in the provision of an intellectual environment for innovative teaching, learning and research in the field of Physical therapy and Rehabilitation. It will produce competent, critical, reflective and accountable health care professionals well equipped to work in the community.

MISSION

The institute is a formal educational centre facilitating physiotherapists in planning and developing the profession and dissemination of all research work to other health professions, to health planners at all levels and to the general public. It is committed to be a leader in physical therapy through the provision of advocacy, professional development and career support services for its students.

OBJECTIVES

- To equip graduate students with evidence-based knowledge in physical therapy
- To provide an environment for research in physical therapy

- To enhance professional communication skills of physical therapy students
- To deliver physical therapy services to the community

TEACHING FACULTY

Mr. Muhammad Bin Afsar Jan
Assistant Professor/Principal/ Director
Ph.D (Scholar), MSPT (Aus), BSPT (Pak), GCRS (Aus), MAPA (Aus)

Mr.Mujeeb Ur Rahman
Assistant Professor
MSPT (UK), BSPT (Pak), MPPS (Pak), MPPTA (Pak)

Dr.HaiderDarain
Assistant Professor
PhD Physical therapy (UK), M.Sc Health and Physical Education (Pak),
BSPT (Pak)

Mrs.SajidaMazhar
Lecturer
MSPT (Pak), BSPT (Pak), MPPS (Pak)

Dr. Danish Ali Khan(PT)
Lecturer
MSPT (Pak), BSPT (Pak), MSMAP (Pak), PGDSM (AFSM), PPDPT (Pak),
CHPE (KMU)

Dr. Muhammad Ibrahim Khan(PT)
Lecturer
MSPT (Pak), BSPT (Pak), NCC (AKUH)

Mr. SalmanFarooqi
Lecturer
MSPT (Pak), BSPT (Pak)

Mr.Janas Khan
IT Manager
MSc Computer Science (Pak), BSc Computer Science (Pak)

TEACHING ASSISTANT

Mr.M. OsamaTanoli
DPT (Pak)

Mr. Muhammad Iqbal
DPT (Pak)

Mr.AtikArsh
DPT (Pak)

Miss. S. AfsheenHasnainDaud
DPT (Pak)

Miss. RabiaBasri
DPT (Pak)

Miss. AsmaFayyaz
DPT (Pak)

MANAGEMENT:

- 1) Mr.Janas Khan (Computer Lab Manager)
- 2) Mr. Abdul Rahman (Section Incharge)

VISITING FACULTY OF BASIC SCIENCES

VISITING FACULTY DPT

S.No	Name	Designation	Subject
1.	Dr.ZafarMehmood	Associate Professor, Agriculture University Peshawar	Biostatistics
2.	Ms.Rubina Shah	Assistant Professor	Sociology
3.	Mr.Ziaullah	Lecturer	English
4.	Dr.Shahtaj Khan	Assistant Professor, PGMI/HMC	Pathology
5.	Dr. Jan-e-Alam	Assistant Professor, Pak International Medical College	Physiology
6.	Dr. Ashraf Khan	Assistant Professor, HMC	Pathology
7.	Dr.Roshan Ali	Assistant Professor, IBMS	Biochemistry
8.	Dr.Hazrat Ali	Assistant Professor	Radiology
9.	Dr. Salman	Surgical Department, HMC	Surgery
10.	Mr.AlamgirAfridi	M&PO, KMU	Pakistan Studies

VISITING FACULTY MSPT

S.No	Name	Designation
1.	Muhammad Bin Afsar Jan	Assistant Professor / Director
2.	Mujeeb-ur-Rehman	Assistant Professor, IPM&R
3.	Dr.HaiderDarain	Assistant Professor
4.	Dr.ZafarMehmood	Associate Professor
5.	Rashid Hafeez	Assistant Professor RCRS
6.	Ms.SajidaMazhar	Lecturer, IPM&R
7.	Dr. Danish Ali Khan	Lecturer, IPM&R
8.	Muhammad Ibrahim	Lecturer, IPM&R
9.	Salman Farooqi	Lecturer, IPM&R
10.	Abdullah Shah	Assistant Professor NWHS
11.	Shakirullah	Assistant Professor RCRS
12.	Abid Khalil	Physiotherapist KTH
13.	RafiqBacha	Physiotherapist Special Education
14.	AmerZaib	Physiotherapist Paraplegic Centre
15.	SarwarIqbal	Physiotherapist AKI

TEACHING FACILITIES

LEARNING RESOURCE CENTER (LRC)

The institute has a well-equipped learning resource centre (LRC) with computers connected to digital library of the Higher Education Commission, Pakistan. The latter electronic services provide an access to a variety e-books and e-journals. Apart from electronic resources, the LRC has a variety of physical therapy, rehabilitation and basic sciences related books and journals in printed format, which are easily available to all students of the institute. The LRC is one of busiest places in the institute where students are always busy either self-studying or preparing assignments. The whole activities within the LRC are closely monitored and supervised by an IT specialist who works as a Computer Lab Manager in the institute.



AUDITORIUM

The auditorium with a capacity of 85 seating has made IPM&R a busy learning centre. Workshops on curriculum development, research methodology, medical writing, and SPSS are frequently conducted. Auditorium is well equipped with all modern gadgets required for workshops and seminars.



CLINICAL FACILITY

Institute of Physical Medicine & Rehabilitation has recently inaugurated a physical therapy clinic equipped with state-of-the-art diagnostic & therapeutic modalities on campus. This initiative is determined to provide clinical environment to the students for training and developing their clinical reasoning, evidence-based practice and research opportunities under the supervision of clinical experts and researchers. This clinic aims at providing quality treatment, promotion of health & wellness, prevention and management of disability and disease by providing services in the following specialties:

S/No	Services	Example
1.	Pain management service	Cervical, thoracic & lumbar pain, Joints pain, Myofascial Pain Syndrome, Acute soft tissue injuries, Sports injuries.
2.	Rehabilitation services Musculoskeletal Rehab Neurological Rehab	Orthopaedic conditions Stroke, TBI, SCI, Vestibular rehab etc
3.	Cardiac rehab	Phase 2 (clinical based) & Phase 3 (community based)
4.	Home base physical therapy services	(consultation +services)



Extra curriculum activities

The institute offer healthy environment to the student and facilitate them in extra-curricular activities. These activities include conducting athletic event, observing traditional days and arranging tours across the country.



DRESS CODE: Students are expected to appear in decent and sober outlook. To achieve this, the following will be the dress code. It must be followed by all students during lectures, practical, tutorials, seminars, outdoor and indoor hospital duty and in all Institute functions. Uniform is compulsory whenever the student visits the Institute either taking classes or not. The students must wear white coat while attending laboratories, dissection hall and hospital.

FEMALE STUDENT'S DRESS CODE: Maroon color shirt, white shalwar, white dupatta / Shawl, Black shoes and white long overall upto knee length.

MALE STUDENT'S DRESS CODE: Dress Shirt - Dress Pants - Court Shoes. White Coat / Overall where demanded. Strapless Footwear - Kito Style Footwear will be strictly prohibited.

MOBILE PHONE USE: Use of mobile phone during working for students in the classes, practical and other teaching activities is strictly prohibited. Mobile set with camera is strictly forbidden all the time, If found will be confiscated

ACADEMIC PROGRAM

DOCTOR OF PHYSICAL THERAPY (DPT)

The Doctor of Physical therapy or simply DPT is a 5-year clinical doctorate degree that allows an individual to start professional career as a 'Physical Therapist'. Physical therapy is an essential segment of modern healthcare system that has been defined as a 'science of healing and art of caring'. It pertains to the evaluation, assessment and treatment of musculoskeletal, Neurological, Cardio-Vascular and Respiratory systems' functional disorders including symptoms of pain, oedema, physiological, structural and psychosomatic ailments. It also deals with methods of treatment based on movement, manual therapy, physical agents, and therapeutics modalities to relieve pain and other complications. Hence, Physical therapy covers basic parameters of healing sciences i.e. preventive, promotive, diagnostic, rehabilitative and curative

VISION

The vision of DPT program is to produce experts who contribute to improved health status and healthcare through research, evidence-based practice, education and professional leadership.

MISSION

The physical therapy program is dedicated to excellence as demonstrated through national recognition. It is committed to academic inquiry and expression by fostering evidence-based healthcare research, teaching, service and public engagement.

It focuses to cultivating leadership, integrity, and engaged citizenship in the students, faculty, staff, and alumni.

OBJECTIVES

Graduates of the Doctor of Physical Therapy Program will:

1. Demonstrate in-depth knowledge of the basic and clinical sciences relevant to physical therapy, both in their fundamental context and in their application to the discipline of physical therapy.
2. Understand, correlate and apply theoretical foundations of knowledge to the practice of physical therapy; evaluate and clarify new or evolving theory relevant to physical therapy.
3. Demonstrate the behaviors of the scholarly clinician by developing and utilizing the process of critical thinking and inquiry, particularly focused on the improvement of the practice of physical therapy and the delivery of healthcare.
4. Engage in reflective practice through sound clinical decision making, critical self-assessment and commitment to lifelong learning.
5. Demonstrate mastery of entry level professional clinical skills. Provision of these services is based on the best available evidence and includes physical therapy examination, evaluation, diagnosis, prognosis, intervention, prevention activities, wellness initiatives and appropriate healthcare utilization.
6. Prepared to influence the development of human healthcare regulations and policies that are consistent with the needs of the patient and of the society.
7. Demonstrate leadership, management, and communication skills to effectively participate in physical therapy practice and the healthcare team.
8. Incorporate and demonstrate positive attitudes and behaviors to all persons.
9. Demonstrate the professional and social skills to adapt to changing healthcare environments to effectively provide physical therapy care.

ADMISSION POLICY (ALLOCATION OF SEATS)

A total of 80 seats in DPT are offered in KMU-IPM&R. The distributions of the seats are as follow:-

Program (DPT)	
Allocation	No. of Seats
Open Merit (KPK, PATA, FATA)	74
Subsidized (FATA- IN)	01
Baluchistan	02
Foreign Self Finance	03
Total	80

1. Admission to **FATA-IN seats** shall be made on the basis of the following priority of obtaining uninterrupted education [not passing exam] within the FATA.
The following criteria of priority shall be applicable to FATA-IN candidates
 - a. Class 1 to F.Sc premedical (both part-I and II).
 - b. Class 1 to Matric with science (both 9th and 10th) & F.Sc from anywhere outside FATA.
 - c. Class 1 to Middle and Matric & F.Sc from anywhere outside FATA.
2. In case no candidate is available from the given list of priorities, then admission shall be granted on the basis of merit to open merit.

Note: If the seats allocated for candidates from Baluchistan, FATA and Foreign countries applicants remain vacant, these vacancies will be converted to open merit seats.

SELECTION CRITERIA

Admission will be open to both male and female candidates who have passed the Higher Secondary Certificate Examination/F.Sc (Pre-medical) with minimum of 50% marks or possessing an equivalent qualification from a recognized board. The merit for admission will be determined as follows.

EXAMINATION TEST

Adjusted marks obtained in F.Sc or Equivalent examination

WEIGHT

50%

Entry Test marks

40%

Marks Obtain in S.S.C examination

10%

Note: 10 marks will be deducted from F.Sc marks for each additional attempt.

FEE STRUCTURE FOR DPT PROGRAM

Fee Structure	Semesters									
	1 st	2 nd	3 rd	4 th	5 th	6 th	7 th	8 th	9 th	10 th
Tuition fee	38000	38000	39000	39000	40000	40000	41000	41000	42000	42000
Registration Fee (KMU)	1800	-	-	-	-	-	-	-	-	-
Examination fee as per rules										

Foreign Reserved Seat Fee:

\$ 1250 (US Dollar) per semester

CURRICULUM FRAME WORK

SCHEME OF STUDIES FOR 5 YEARS DOCTOR OF PHYSICAL THERAPY (DPT) PROGRAM

FIRST SEMESTER/YEAR						SECOND SEMESTER/YEAR					
Course Code	NAME OF SUBJECT	CREDITS				Course Code	NAME OF SUBJECT	CREDITS			
		T	P	Tot				T	P	Tot	
DPT 111	ANATOMY –I	3	1	4		DPT 121	ANATOMY –II	3	1	4	
DPT 112	PHYSIOLOGY-I	2	1	3		DPT 122	PHYSIOLOGY-II	2	1	3	
DPT 113	KINESIOLOGY/BIOMECHANICS-I	2	1	3		DPT 123	KINESIOLOGY/BIOMECHANICS - II	2	1	3	
DPT 114	ENGLISH-I	3	0	3		DPT 124	ENGLISH-II	3	0	3	
DPT 115	PAKISTAN STUDIES	2	0	2		DPT 125	ISLAMIC STUDIES / ETHICS	2	0	2	
DPT 132	INTRODUCTION TO COMPUTER	2	1	3		DPT 144	MEDICAL PHYSICS	2	1	3	
TOTAL					18	TOTAL					18

THIRD SEMESTER/YEAR					FOUR SEMESTER/YEAR				
Course Code	NAME OF SUBJECT	CREDITS			Course Code	NAME OF SUBJECT	CREDITS		
		T	P	Tot			T	P	Tot
DPT 234	ENGLISH-III	3	0	3	DPT 241	ANATOMY –IV	2	1	3
DPT 231	ANATOMY –III	2	1	3	DPT 245	BIOMECHANICS & ERGONOMICS-IV	2	1	3
DPT 233	PHYSIOLOGY-III	2	1	3	DPT 242	BEHAVIORAL SCIENCES (Psychiatry & Psychology)	3	0	3
DPT 235	BIOMECHANICS &ERGONOMICS-III	3	0	3	DPT 246	BIOCHEMISTRY& GENETICS II	2	0	2
DPT 236	BIOCHEMISTRY & GENETICS I	2	0	2	DPT 243	EXERCISE PHYSIOLOGY-	3	0	3
DPT 255	SOCIOLOGY	2	0	2	DPT 275	HUMAN GROWTH, DEVELOPMENT &COMMUNITYBASED REHABILITATION	2	0	2
DPT 256	HEALTH & WELLNESS	2	0	2					
TOTAL				18	TOTAL				16

FIFTH SEMESTER/YEAR					SIXTH SEMESTER/YEAR				
Course Code	NAME OF SUBJECT	CREDITS			Course Code	NAME OF SUBJECT	CREDITS		
		T	P	Tot			T	P	Tot
DPT 351	PATHOLOGY & MICROBIOLOGY I	2	0	2	DPT 361	PATHOLOGY & MICROBIOLOGY II	2	1	3
DPT 352	PHARMACOLOGY I	3	0	3	DPT 362	PHARMACOLOGY II	2	0	2
DPT 353	PHYSICAL AGENTS & ELECTROTHERAPY –I	2	1	3	DPT 363	PHYSICAL AGENTS & ELECTROTHERAPY –II	2	1	3
DPT 354	THERAPEUTIC EXERCISES & TECHNIQUES	2	1	3	DPT 364	MANUAL THERAPY	2	1	3
DPT 385	PROSTHETICS & ORTHOTICS	2	0	2	DPT 365	TEACHING METHODOLOGY & COMMUNITY MEDICINE	3	0	3
DPT 395	PROFESSIONAL PRACTICE (LAWS,ETHICS, ADMINISTRATION)	2	0	2	DPT 367	SUPERVISED CLINICAL PRACTICE II	0	3	3
DPT 357	SUPERVISED CLINICAL PRACTICE I	0	3	3					
TOTAL				18	TOTAL				17

SEVENTH SEMESTER/YEAR					EIGHT SEMESTER/YEAR				
Course Code	NAME OF SUBJECT	CREDITS			Course Code	NAME OF SUBJECT	CREDITS		
		T	P	Tot			T	P	Tot
DPT 471	MEDICINE I	3	0	3	DPT 481	MEDICINE II	3	0	3
DPT 472	SURGERY I	3	0	3	DPT 482	SURGERY II	3	0	3
DPT 473	RADIOLOGY & DIAGNOSTIC IMAGING -	2	1	3	DPT 483	NEUROLOGICAL PHYSICAL THERAPY	2	1	3
DPT 474	MUSCULOSKELETAL PHYSICAL THERAPY	2	1	3	DPT 484	EVIDENCE BASED PRACTICE	2	1	3
DPT 475	BIOSTATISTICS-I	3	0	3	DPT 485	BIOSTATISTICS-II/ UNIVERSITY OPTIONAL	3	0	3
DPT 476	SUPERVISED CLINICAL PRACTICE III	0	3	3	DPT 486	SUPERVISED CLINICAL PRACTICE IV	0	3	3
TOTAL				18	TOTAL				18

NINTH SEMESTER/YEAR (FIFTH PROFESSIONAL YEAR)					TENTH SEMESTER/YEAR				
Course Code	NAME OF SUBJECT	CREDITS			Course Code	NAME OF SUBJECT	CREDITS		
		T	P	Tot			T	P	Tot
DPT 591	CARDIOPULMONARY PHYSICAL THERAPY	2	1	3	DPT 5101	GYNAECOLOGY & OBSTETRICS PHYSICAL THERAPY	2	0	2
DPT 592	EMERGENCY PROCEDURES AND PRIMARY CARE	2	0	2	DPT 5102	PAEDIATRIC PHYSICAL THERAPY	2	0	2
DPT 593	CLINICAL DECISION MAKING & DIFFERENTIAL DIAGNOSIS	3	0	3	DPT 5104	SPORTS PHYSICAL THERAPY	2	0	2
DPT 594	SCIENTIFIC INQUIRY & RESEARCH METHODOLOGY	2	1	3	DPT 5105	SUPERVISED CLINICAL PRACTICE VI	0	4	4
DPT 595	GERONTOLOGY AND GERIATRIC PHYSICAL THERAPY	2	0	2	DPT 5106	RESEARCH PROJECT	6		
DPT 596	INTEGUMENTRY PHYSICAL THERAPY	2	0	2					
DPT 597	SUPERVISED CLINICAL PRACTICE V	0	3	3					
TOTAL				18	TOTAL				16
G. TOTAL									175

M.S PHYSICAL THERAPY

The post-professional master's degree offered in the IPM&R enables physical therapists to improve their clinical knowledge and skills through a specific program of advanced practice. The institute offers Masters in physical therapy in two disciplines

- Musculoskeletal Physical Therapy
- Neurological Physical Therapy

The aims of both these programs are to provide advanced clinical skills and knowledge in musculoskeletal or neurological physical therapy. Moreover, the content of program is designed to fulfill the need of practicing physical therapists who want to update their clinical skills using evidence based principles in clinical decision making. In addition to coursework and laboratory sessions, students also participate in physical therapy clinical rounds, which provide them with additional knowledge of advanced physical therapy practice.

VISION

M.S Physical therapy offers practicing Physical Therapists the opportunity to enhance their professional development in the areas of research, ethics, education and administration while developing new clinical skills in intense, clinical electives.

MISSION

To prepare reflective and collaborative professionals who are skilled in clinical reasoning and the use of evidence to optimize health, function and participation of individuals in society, and who can assume leadership roles in professional and scholarly activities including the transfer of best evidence to clinical practice

OBJECTIVE

Graduates of this course shall display a high degree of proficiency in:

1. Leadership in applying knowledge and skills to the management and treatment of the patient who has musculoskeletal problem.
2. Assessing patients and making informed decisions regarding approaches to treatment by selecting and applying effectively the treatment approaches most appropriate for the patient's condition.
3. Communicating effectively with the patients, their families, colleagues, and other members of the health team.
4. Providing a consultative service to the profession, other health professionals and the medico-legal fraternity.
5. Critically evaluating the suitability and effectiveness of the selected approach and modifying, changing or ceasing treatment when necessary.
6. Establish educational-based and research oriented Physical Therapy practice.

CURRICULUM FRAME WORK
COURSE OUTLINE
MASTERS IN PHYSICAL THERAPY (MUSCULOSKELETAL)

SEMESTER -1					SEMESTER -2				
SPECIALTY: MUSCULOSKELETAL PHYSICAL THERAPY					SPECIALTIES: MUSCULOSKELETAL PHYSICAL THERAPY				
Course Code	NAME OF SUBJECT	CREDITS			Course Code	NAME OF SUBJECT	CREDITS		
		T	P	Tot			T	P	Tot
PTHY 701	Sports Biomechanics	2	1	3	PTHY-M 717	Therapeutic Exercise	2	1	3
PTHY 703	Functional anatomy	2	1	3	PTHY-M 821	Musculoskeletal Disorders & Sports Injuries-1	2	1	3
PTHY 714	Administration & Management In Physical Therapy	2	-	2	PTHY 704	Research Methodology	2	1	3
PTHY 715	Evidence Based Practice	1	1	2	PTHY824	Biostatistics & Epidemiology	3	0	3
Total Credit Hours of first Semester = 10 Total Clock Hours of first Semester = 13					Total Credit Hours of Second Semester = 12 Total Clock Hours of Second Semester = 15				

SEMESTER-3					SEMESTER-4				
SPECIALTY: MUSCULOSKELETAL PHYSICAL THERAPY					SPECIALTY: MUSCULOSKELETAL PHYSICAL THERAPY				
Course Code	NAME OF SUBJECT	CREDITS			Course Code	NAME OF SUBJECT	CREDITS		
		T	P	Tot			T	P	Tot
PTHY-M 826	Musculoskeletal Disorders & Sports Injuries-2	3	1	4	PTHY-M 827	Advance Physical Therapy Techniques (Musculoskeletal)-2	2	1	3
PTHY-M 822	Advance Physical Therapy Techniques (Musculoskeletal)-1	2	2	4	PTHY-M 829	Research Thesis / Dissertation	-	-	6
PTHY-M 825	Clinical Placement-1	2	0	2	PTHY-M 828	Clinical Placement-2	-	2	2
PTHY-718	Health Profession Education in Physical Therapy	2	0	2	Total Credit Hours of Third Semester = 11 Total Clock Hours of Third Semester = 16				
Total Credit Hours of Third Semester = 10 Total Clock Hours of Third Semester = 13									

M.S PHYSICAL THERAPY (NEUROLOGY)

Physical therapy is a constantly evolving profession, which demands from the professionals to demonstrate current best practices and continued professional development at postgraduate level. The objective behind this program is to broaden the scope of physical therapy and encourage personal and professional development. The designed program will provide opportunity for students to question the current practices and to enable students to explore in-depth areas of their professional interest within physical therapy. It also aims to enable students to evaluate evidence both for current practice and for new approaches in physical therapy practice. The structure of program and the core subjects along with clinical placements shall improve knowledge and skills for integration in clinical practices, where appropriate. The research module and dissertation, together with modules like Evidence Based Practice, Biostatistics will develop the students' research capabilities and critical evaluation skills.

VISION

M.S Physical therapy offers practicing Physical Therapists the opportunity to enhance their professional development in the areas of research, ethics, education and administration while developing new clinical skills in intense, clinical electives.

MISSION

To prepare reflective and collaborative professionals who are skilled in clinical reasoning and the use of evidence to optimize health, function and participation of individuals in society, and who can assume leadership roles in professional and scholarly activities including the transfer of best evidence to clinical practice.

OBJECTIVE

Graduates of this course shall display a high degree of proficiency in:

1. Leadership in applying knowledge and skills to the management and treatment of the patient who has Neurological problem.
2. Assessing patients and making informed decisions regarding approaches to treatment by selecting and applying effectively the treatment approaches most appropriate for the patient's condition.
3. Communicating effectively with the patients, their families, colleagues, and other members of the health team.
4. Providing a consultative service to the profession, other health professionals and the medico-legal fraternity.
5. Critically evaluating the suitability and effectiveness of the selected approach and modifying, changing or ceasing treatment when necessary.
6. Establish educational-based and research oriented Physical Therapy practice.

CURRICULUM FRAME WORK
MASTERS IN PHYSICAL THERAPY (NEUROLOGY)

SEMESTER -1					SEMESTER -2				
SPECIALTY: Neurological Physical Therapy					SPECIALTY: Neurological Physical Therapy				
Course Code	NAME OF SUBJECT	CREDITS			Course Code	NAME OF SUBJECT	CREDITS		
		T	P	Tot			T	P	Tot
PTHY-N 706	Neuroanatomy	2	1	3	PTHY 704	Research methodology	2	1	3
PTHY 714	Administration & Management In Physical Therapy	2	0	2	PTHY 824	Biostatistics & Epidemiology	3	0	3
PTHY 715	Evidence Based Practice	1	1	2	PTHY-N 830	The Science of Physical Therapy Practice in Neurology	2	1	3
PTHY-N 719	Physiotherapy Assessment & Goal Planning	2	1	3	PTHY-N 831	Advance Application of Physical Therapy Treatment Procedures for the Neurological Disorders-1	2	1	3
Total Credit Hours Of First Semester=10 Total Clock Hours Of First Semester=13					Total Credit Hours Of Second Semester=12 Total Clock Hours Of Second Semester=15				

SEMESTER – 3					SEMESTER-4				
SPECIALTY: Neurological Physical Therapy					SPECIALTY: NEUROLOGICAL PHYSICAL THERAPY				
Course Code	NAME OF SUBJECT	CREDITS			Course Code	NAME OF SUBJECT	CREDITS		
		T	P	Tot			T	P	Tot
PTHY 718	Health Profession Education In Physical Therapy	2	0	2	PTHY-N 838	Dissertation/ Research Thesis	-	-	6
PTHY-N 834	Neurological Rehabilitation Practicum-1	0	2	2	PTHY-N 839	Neurological Rehabilitation Practicum-2	0	2	2
PTHY-N 835	Principal Of Physiotherapy Management Of Neurological Disorders	2	1	3	PTHY-N 840	Advance Application of Physical Therapy Treatment Procedures for the Neurological Disorders-III	2	1	3
PTHY-N 836	Advance Application Of Physical Therapy Treatment Procedures For The Neurological Disorders-2	2	1	3	Total Credit Hours Of Fourth Semester=11 Total Clock Hours Of Fourth Semester=16				
Total Credit Hours Of Third Semester=10 Total Clock Hours Of Third Semester=16									

ALLOCATION OF SEATS

Distribution of Seats:

S. No	Name of Program	Baluchistan	FATA	Foreign Reserved Seats	Open Merit	Total Seats
1	Musculoskeletal Physical Therapy	01	01	01	17	20
2	Neurological Physical Therapy	01	01	01	17	20

Note: If the seats allocated for candidates from Baluchistan, FATA and Foreign countries applicants remain vacant, these vacancies will be converted to open merit seats.

ELIGIBILITY CRITERIA

- Admission will be open to all Pakistani nationals both male and female candidates.
- Candidate having four year bachelor's degree in physical Therapy (BSPT) / Doctor Of Physical Therapy (DPT)/ or equivalent degree from any HEC recognized university.
- CGPA of not less than 2.5.
- Domicile open.
- KMU Entrance test is mandatory for grant of admission.
- Documents shall be verified from the HEC.

SELECTION CRITERIA

- Percentage of final professional examination to 40 marks.
- Percentage of Entrance test to 30 marks.
- One mark per year of service in a recognized institution up to maximum of 05 marks.
- Publications: in HEC recognize journals maximum 05marks
 - 1st author: 1.0 marks per paper
 - 2nd & 3rd author: 0.5 marks per paper
 - 4th and onward author: 0.2 marks per paper
- Interview 20 marks. (any applicant who secures less than 50% marks in interview shall be declared as unsuccessful).

FEE STRUCTURE FOR MASTER IN PHYSICAL THEROPHY PROGRAM

Fee Structure	First Semester	Second Semester	Third Semester	Fourth Semester
Tuition fee	48000	48000	49000	49000
KMU Registration Fee	1800	-	-	-
Examination fee as per rules				

Foreign Reserved Seat Fee: \$ 2200 (US Dollar) per semester

CO- CURRICULAR ACTIVITIES

Sports and Co- curricular activities play a key role in the personal, social, and cultural development of the students. Academics probably comes first, but the co-curricular activities

KMU gives importance to the co-curricular activities; a wide range of activities exists on and off the campus.

Over the past two decades, the professional practice in physical therapy has changed significantly and changes in the curriculum at both undergraduate and postgraduate levels have been incorporated in order to fulfil the current needs and demands. Moreover, the increasingly need for therapists to justify their practice patterns based on research evidence and to provide administrative expertise and leadership have been often associated with formal clinical skills as well. These were some of the reasons that physical therapy program was upgraded to 5-year clinical doctorate program. The institute has started one year additional course for those graduates who has already completed 4-years degree in physical therapy. This program allow these graduates to achieve similar level of expertise to graduates doing their 5-year clinical doctorate program.

- Solve clinical problems based on evidence
- Critically evaluate the current literature relevant to physical therapy
- Effectively write and present issue related to field
- Enhance research skills
- Advocate effectively issue and problem associated with practice in physical therapy
- Use skill required to be a lifelong independent learner

t-DPT	30 seats
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- Admission will be open to all Pakistani nationals both male and female candidates
- Candidate having four year bachelor's degree in physical Therapy (BSPT) from any HEC recognized university.
- CGPA of not less than 2.5.
- Domicile open.
- KMU Entrance test is mandatory for grant of admission.
- Documents shall be verified from the HEC.

- a. Percentage of final professional examination to 40 marks.
- b. Percentage of Entrance test to 30 marks.
- c. One mark per year of service in a recognized institution up to maximum of 05 marks.
- d. Publications: in HEC recognize journals maximum 05marks
 - i. 1st author: 1.0 marks per paper
 - ii. 2nd & 3rd author: 0.5 marks per paper
 - iii. 4th and onward author: 0.2 marks per paper
- e. Interview 20 marks. (any applicant who secures less than 50% marks in interview shall be declared as unsuccessful).

FEE STRUCTURE FOR t-DPT PROGRAM

Fee structure	1 st Semester	2 nd Semester
Tuition fee	40000	40000
Registration Fee (KMU)	1800	-
Examination fee as per rules		

**DOCTOR OF PHYSICAL THERAPY DEFICIENCY COURSE
SCHEME OF STUDIES FOR ONE-YEAR (ADDITIONAL)**

COURSES DESCRIPTION**SEMESTER -1**

Course code	Course Title	Credit Hours			Clock Hours	
		Theory	Practical / Labs.	Total	(Theory + Practical / Labs.)	Total
DPT(D) - 501	ANATOMY	2	1	3	(2+2)	4
DPT(D) - 502	PHYSIOLOGY	2	1	3	(2+2)	4
DPT(D) - 503	MICROBIOLOGY	2	1	3	(2+2)	4
DPT(D) - 504	GENETICS	2	0	2	(2+0)	2
DPT(D) - 505	INTRODUCTION TO COMPUTER	2	1	3	(2+1)	3
DPT(D) - 506	PHYSICAL THERAPY TREATMENT – I	2	1	3	(2+2)	4
DPT(D) - 507	SUPERVISED CLINICAL PRACTICE	0	3	3	(0+2)	6
Total Credit Hours of first Semester = 20 Total Clock Hours of first Semester = 27						

SEMESTER -2

Course code	Course Title	Credit Hours			Clock Hours	
		Theory	Practical / Labs.	Total	(Theory + Practical / Labs.)	Total
DPT(D) - 521	EVIDENCE BASED PRACTICE	2	1	3	(2+2)	4
DPT(D) - 522	CLINICAL DECISION MAKING AND DIFFERENTIAL DIAGNOSIS	2	0	2	(2+0)	2
DPT(D) -523	PHYSICAL THERAPY TREATMENT- II	2	1	3	(2+2)	4
DPT(D) -524	BEHAVIOURAL SCIENCES/ HEALTH & WELLNESS	2	0	2	(2+0)	2
DPT(D) -525	HUMAN GROWTH DEVELOPMENT / TEACHING METHODOLOGY	2	0	2	(2+0)	2
DPT(D) 526	PHYSICAL THERPY TREATMENT –III	2	1	3	(2+2)	4
PHY(D)-527	RESEARCH PROJECT	-	-	6	-	6
Total Credit Hours of first Semester = 21 Total Clock Hours of first Semester = 24						

KHYBER MEDICAL UNIVERSITY INSTITUTE OF NURSING SCIENCES



PDA Commercial Flat, Near Shalman Park, Phase – VI, Hayatabad, Peshawar
Tel: +915862514, www.kmu.edu.pk

INTRODUCTION

The Institute of Nursing Sciences (INS) at Khyber Medical University was established in 2008-09 with the aim of promoting nursing education in Khyber Pakhtunkhwa. The INS is the first public sector institution at the province offering Bachelor degree programs in Nursing. Since its start, the Institution has been offering **Master in Nursing in Sciences 2 years**, Bachelor's degree in Nursing including Post RN BScN (2 years), Generic BScN(4 years) and recently added one year degree program of Fast Track BScN for senior registered nurses. The vision of INS is to take the lead in nursing education in the province and compete with the demands of nursing profession both nationally and internationally in today's complex health care systems.

During the course of BScN and MScN, it is expected that the students acquire a good deal of experience in the development of health teaching, outpatient department and wards of the Hospital, Maternal and child health clinics, home visit, both at rural and urban communities. The role of the nurse as a member of health team is very vital because the total care of the patient has to be managed by the nurse. Hence a great responsibility lies with the nurse.

We at the Institute of Nursing Sciences, KMU believe that nursing is an integral part of health profession & we further believe that the nursing is a fast developing which maintains its nobility in all respect. The institute is thriving to develop nursing personnel who are prepared to give comprehensive nursing care are important members of Health team.

Looking forward toward its vision, the Institute of Nursing Sciences is committed to maintain the highest standard of the University in the field of Nursing Education to become a leading national Institution.

VISION

The Institute of Nursing Sciences at Khyber Medical University aspires to raise to the status of the best national institution to educate and prepare nurses in a multidisciplinary environment enabling them to attain their true potential in becoming competent, caring and inquisitive members of the healthcare team for improving healthcare outcomes.

MISSION

We are committed to provide evidence – based practice in the field of nursing and develop personal attributes necessary to become knowledgeable, skilled and righteous nursing professional.

OBJECTIVES

The graduate of this nursing program will be prepared to:

1. Prepare competent, safe, committed and knowledgeable nurse clinicians (hospital and community setting).
2. Educate nurses with the appropriate knowledge, skills and attitudes and with clinical competency.
3. Integrate evidence-based science into clinical practice to provide holistic care for individuals, families and communities.
4. Enable nurses to meet the future challenges, including changes in technology, confronting health care in the 21st century.



5. Initiate a leadership role in the planning, implementation and evaluation of individual, family and community.
6. Adhere to an established pattern of professional practices within the professional, religious, cultural, legal and ethical boundaries of Pakistan.

FACULTY

S.No.	Name& Designation	Qualification
1	Ms Nasreen Ghani Assistant Professor & Coordinator	RN, RM, LHV, (PHSN Pesh) M.A. (Pesh University) Diploma in ICU Post RN BSc.N, MSc.N, 2007 The Aga Khan University, School of Nursing Karachi. Pakistan (AKUSON), Dip; in Strengthening Midwifery Competence in sexual and Reproductive Health. (Karolinska Institute Sweden)
2	Ms Anis Fatima Assistant Professor	Master of Science in Advanced Nursing 2011-2013 University of Nottingham, United Kingdom. Baccalaureate in Sciences of Nursing (BScN) 2005-2007 The Aga Khan University, School of Nursing Karachi. Pakistan
3	Ms Shaheen Ghani Lecturer	Diploma in ICU, RN, RM, LHV, (PHSN Pesh), Post RN BSc.N, 2007 The Aga Khan University, School of Nursing Karachi. Pakistan (AKUSON) MPH (P provincial Health Services Academy (PHSA))
3	Mr. Muhammad Iqbal Lecturer	G.BSc.N (AKU), MSc Environmental Sciences (KU)
4	Mr. Bakhtyar Ali Shah Lecturer	G.BSc.N (AKU), CT (ECBS), MPH (BMU), CHPE (KMU), CHR (Auditory, AKU) MHR (Enrolled, KMU)
5	Mr. Muhammad Zubair Lecturer	Post RN BSc (Liaquat National Hospital SON (LUMHS Jamshoro) Karachi.
6	Mr. Imran Inayat Yousafzai Lecturer	B.S.N (Bahria University Islamabad) M.S.P.H (Quaid-e-Azam University Islamabad) PG-Cert HRHM (Edinburgh, U.K)
7	Mr. Sardar Ali Lecturer	G.BSc.N (AKU), MSc.N (UHS), CFR (UHS) CHPE (KMU)
7	Mr. Hidayatullah Khan Lecturer	MSc Nursing (LUMHS, JPMC Karachi) Post RN BSN (LUMHS, JPMC Karachi) Diploma in Post Basic Pediatric Health Nursing: Life Saving College of Nursing
8	Ms. Shahla Arshad Lecturer	Post RN BSN (University of Health Sciences-Lahore) MSc Psychology (Bahauddin Zakariya University-Multan)

VISITING FACULTY

1. Ms. Nazneen Shad RN, RM, DWA, DTA, BSc N, MSc Education Management (UK)
2. Dr. Abdul Ghafoor (PhD in Islamic Studies)
3. Mr. Arif Mehmood (M.A English)
4. Dr. Niaz Ali (PhD in Pharmacology)
5. Dr. Roshan Ali (PhD in Biotechnology)
6. Mr. Alamgir Afridi (M.A Pak Studies)
7. Ms. Ulfat Tasleem (M.A English)

TEACHING LEARNING RESOURCES

- Lecture Theatres
- Auditorium
- Library
- Nursing Skills Laboratory
- Science Laboratory
- Learning Resource Centre (LRC)
- Video Conference Hall
- Digital Library
- Computer Laboratory



TECHING LEARNING STRATEGIES

- Lecture
- Demonstration
- Seminar
- Workshops
- Tutorials
- Reflective journal/Log Books
- Assignments
- Clinical
- Problem Based Learning
- Case Studies
- Concept Mapping



CLINICAL AFFILIATION

- Pakistan Medical Research Centre, Khyber Medical College Peshawar
- Khyber Teaching Hospital Peshawar
- Hayatabad Medical Complex Peshawar
- Lady Reading Hospital Peshawar
- Ayub Teaching Hospital Abbottabad
- Community Health Centre Nakhi Peshawar

ADMISSION / SELECTION POLICY

A candidate seeking admission in any of the program shall apply on a prescribed form available on www.kmu.edu.pk). The candidate shall submit the application form along with attested photocopies of all the documents as mentioned in the application form.

If any document / information provided by the candidate is found false/fake or fabricated at any stage of course the admission will be cancelled. Incomplete application forms will not be entertained.

ALLOCATION OF SEATS

BS. Nursing (4 Years Program)

- | | |
|--------------------------------|----------------------------------|
| a) Open merit
KPK/FATA/PATA | 45 seats (05 male 40 Female) for |
| b) Baluchistan | 02 seats |
| c) FATA-IN Only | 01 seat |
| d) Foreign Reserved Seats | 02 seats |

Post RN (2 years Program)

- a) Open merit 49 (7 seats for male and 42 seats for female applicants) for KP/FATA/PATA
- b) FATA: 1 seat

Open merit seats are open for admission to applicants possessing valid domicile certificate for KP, FATA & PATA in both the programs.

For BSN candidates

Admission to seat of FATA-IN shall be made on the basis of the following priority of obtaining uninterrupted education [not passing exam] within the FATA.

The following criteria of priority shall be applicable to FATA-IN candidates

- a. Class 1 to F.Sc premedical (both part-I and II).
- b. Class 1 to Matric with science (both 9th and 10th) & F.Sc from anywhere outside FATA.
- c. Class 1 to Middle and Matric & F.Sc from anywhere outside FATA.

In case no candidate is available from the given list of priorities, then admission shall be granted on the basis of merit to FATA out candidates.

- e. **Note: If the seats allocated for candidates from Baluchistan, FATA and Foreign countries applicants remain vacant, these vacancies will be converted to open merit seats.**

SELECTION CRITERIA

POST RN (2 years Program)

Candidate applying for the admission shall fulfill the following criteria:

- 1. Diploma in General Nursing (at least 2nd division)
- 2. Diploma in Midwifery for female nurses (at least 2nd division)
- 3. For male nurses one year diploma in any specialty registered with PNC, at least 2nd division (in lieu of Midwifery)
- 4. Complete and documentary evidence of 02 years' experience as an RN in any nationally recognized institute.

Merit will be calculated as below:-

- 1. Cumulative percentage of all the diploma examinations including midwifery.
- 2. Percentage marks in entry test.
- 3. One mark per year of the professional experience in a recognized institution up to a maximum of 05 marks.

BS Nursing (4 years Program)

Admission will be open to candidates who have passed the Higher Secondary Certificate Examination (F.Sc. Pre-medical) or possessing an equivalent qualification from a recognized board with minimum of 50% marks. The merit for admission will be determined as follows.

Examination Test**Weightage**

Adjusted marks obtained in F.Sc or Equivalent examination

50%

Entry Test marks

40%

Marks Obtain in S.S.C examination

10%

Note: 10 marks will be deducted from F.Sc marks for each additional attempt.

EXAMINATION RULES

Examination Rules and Regulations of KMU shall apply.

FEE STRUCTURE FOR ALL BACHELOR PROGRAMS (BS Nursing, Post RN & Fast Track)

Fee Structure	First Semester	Second Semester	Third Semester	Fourth Semester	Fifth Semester	Sixth Semester	Seventh Semester	Eighth Semester
Tuition fee	38000	38000	39000	39000	40000	40000	41000	41000
KMU Registration Fee	1800	-	-	-	-	-	-	-
PNC Enrolment Fee	500	-	-	-	-	-	-	-
Examination fee as per rules								

Foreign Reserved seat Fee:

\$ 1250 (US Dollar) per semester

PROGRAM STRUCTURE**FRAME WORK OF CURRICULUM FOR B.SC. POST RN (TWO YEARS)**

YEAR 1, SEMESTER – I				YEAR 1, SEMESTER – II			
Course Code	Course Title	Marks	Credit	Course Code	Course Title	Marks	Credit
NUR321	Advance nursing concepts-I theory & Practical	200	6	NUR371	Advance nursing concepts-II theory, practical	200	6
NUR322	Health assessment theory & Practical	100	3	NUR372	Integrated sciences – II Physics and Chemistry	100	3
NUR323	Integrated sciences – I Physiology and Microbiology	100	3	NUR373	Community Health Nursing	100	5
NUR324	Computer in Nursing	50	1	NUR374	Epidemiology	100	2
NUR325	Professional development	100	3	NUR375	Introduction to management	100	2
NUR326	Social sciences: Sociology (culture, health and society) and Psychology	100	3	NUR376	Fundamental of counseling & guidance	100	2
NUR327	English	100	2	NUR377	English –II	100	2
TOTAL		750	21	TOTAL		800	22

YEAR 2, SEMESTER – III				YEAR 2, SEMESTER – IV (A) SENIOR ELECTIVE NURSING EDUCATION			
Course Code	Course Title	Marks	Credit	Course Code	Course Title	Marks	Credit
NUR421	Advance nursing concepts-III theory & Practical	200	6	NUR471	Curriculum planning & Development	100	2
NUR422	Nursing research	100	3	NUR472	Administration in Nursing educational program	100	2
NUR423	Bio-statistic	100	3	NUR473	Principles and method of evaluation	100	2
NUR424	Psychology of learning	100	3	NUR474	English – IV	100	2
NUR425	Principles and methods of teaching	100	2	NUR475	Practicum (in nursing education)	200	12
NUR426	Clinical teaching and clinical supervision	100	3				
NUR427	English –III	100	2				
TOTAL		800	22	TOTAL		600	20
YEAR 2, SEMESTER – IV (B) SENIOR ELECTIVE NURSING MANAGEMENT				YEAR 2, SEMESTER – IV (C) SENIOR ELECTIVE COMMUNITY HEALTH NURSING			
Course Code	Course Title	Marks	Credit	Course Code	Course Title	Marks	Credit
	Planning	50	1		Community Health And Development	100	2
	Organizing	50	1		Primary health care	100	2
	Staffing	50	1		CHN/ Management	100	2
	Directing	50	1		English IV	100	2
	Controlling	50	1		Practicum (community nursing)	200	12
	Financing	50	1				
	English IV	100	2				
	Practicum (in nursing management)	200	12				
TOTAL		600	20	TOTAL		600	20

- 20 weeks study hours
- 02 weeks examination
- 6 weeks for theory
- 14 weeks for practicum

Formula: The calculations are done according to the following criteria 6 hours/day, 6 days/weeks= 36 hours/week.

FRAMEWORK OF CURRICULUM FOR NURSING PROGRAM (04 YEARS)

Year 1, Semester I						Year 1, Semester II					
Course Code	Course Title	T	C	Skills/ Lab	Credit	Course Code	Course Title	T	C	Skills/ Lab	Credit
NU-101	Fundamental Of Nursing	2.00		2.00	4.00	NU-151	Fundamental of Nursing-II	2.00	1.00	1.00	4.00
NU-102	Microbiology	2.50		0.5	3.00	NU-152	Anatomy and Physiology-II	3.00			3.00
NU-103	Anatomy and Physiology-I	3.00			3.00	NU-153	Community Health Nursing-I	2.00	*1.00		3.00
NU-104	Biochemistry for Nurses	2.00		1.00	3.00	NU-154	Applied Nutrition	1.00			1.00
NU-105	English-I	2.00			2.00	NU-155	English II	2.00			2.00
NU-106	Computer Skills			1.00	1.00	NU-156	Islamiat	2.00			2.00
						NU-157	Pak Studies	2.00			2.00
TOTAL					16	TOTAL					17

Year 2, Semester III						Year 2, Semester IV					
Course Code	Course Title	T	C	Skills/ Lab	Credit	Course Code	Course Title	T	C	Skills/ Lab	Credit
NU-201	Adult Health Nursing-I	4.00	3.00	1.00	8.00	NU-251	Adult Health Nursing-II	4.00	3.00	1.00	8.00
NU-202	Pathophysiology-I	1.75		0.25	2.00	NU-252	Pathophysiology-II	2.75		0.25	3.00
NU-203	Health Assessment-I	1.00		1.00	2.00	NU-253	Health Assessment-II	1.00		1.00	2.00
NU-204	Pharmacology-I	2.00			2.00	NU-254	Developmental Psychology	2.00			2.00
NU-205	Mathematics	1.00			1.00	NU-255	Pharmacology II	2.00			2.00
NU-206	English III	2.00			2.00	NU-256	English IV	2.00			2.00
						NU-257	Nursing Ethics	1.00			1.00
TOTAL					17	TOTAL					20

Year 3, Semester V						Year 3, Semester VI					
Course Code	Course Title	T	C	Skills/ Lab	Credit	Course Code	Course Title	T	C	Skills/ Lab	Credit
NU-301	Pediatrics Health Nursing	3.00	3.00	1.00	7.00	NU-351	Mental Health Nursing	3.00	3.00		6.00
NU-302	Community Health Nursing-II	2.50	2.50	1.00	6.00	NU-352	Introduction to Biostatics	2.50		0.50	3.00
NU-	Teaching/Learni	3.00			3.00	NU-	Behavioral	3.00			3.00

303	ng Principles & Practices					353	Psychology				
NU-304	English IV	2.00			2.00	NU-354	Epidemiology	2.00			2.00
						NU-355	English-VI	2.00			2.00
						NU-356	Culture, Health and Society	2.00			2.00
TOTAL					18	TOTAL					18

Year 4, Semester VII						Year 4, Semester VIII					
Course Code	Course Title	T	C	Skills/ Lab	Credit	Course Code	Course Title	T	C	Skills/ Lab	Credit
NU-401	Critical Care Nursing	2.50	4.00	0.50	7.00	NU-451	Community Health Nursing-III	2.00	3.00		5.00
NU-402	Introduction to nursing theories	2.00			2.00	NU-452	Nursing Seminar / role transition	2.00			2.00
NU-403	Leadership and Management in Nursing	2.00	1.00		3.00	NU-453	Clinical Practicum		4.00	1.00	5.00
NU-404	Nursing Research	3.00			3.00						
NU-405	English VII	2.00			2.00						
TOTAL					17	TOTAL					12

Note: The University reserves the right to make any change or amendment in this prospectus in the interest of institution and education as it deem necessary.

MASTER IN NURSING (MSN) TWO YEARS PROGRAM

KMU believes in developing a multi-dimensional comprehensive health care approach encompassing all the four elements of health i.e. prevention, promotion, curative intervention and rehabilitation. We aspire to include a health care team approach at all levels of health care delivery system in order to provide a comprehensive health care coverage to the people.

KMU identified the gaps in the existing health care delivery system and started to bridge these gaps in order to improve the system. In this context nursing profession is a very important component of health care system which has been so far severely neglected.

In 2009 KMU started BSc Nursing 4 years generic and BSc Post RN 2 years programs. So far 3 batches of Post RN and one batch of BSN 4 years have qualified. Now KMU has decided to start 2 years MSN program from February 2014. This program is intended to provide opportunities to nursing professionals of Khyber Pakhtunkhwa to improve their qualification and expertise who would otherwise had to travel outside the province.

Eligibility Criteria

1. BSN (4 Years Generic) or BSc Post RN from a recognized university or DAI.
2. Two years professional experience in a recognized institution.
3. CGPA of not less than 2.5.
4. Valid PNC license.
5. Both male and female can apply.
6. Domicile open.

Selection Criteria

8. Percentage of final professional examination to 40 marks.
9. Percentage of Entrance test to 30 marks
10. One mark per year of service in a recognized institution up to maximum of 5 marks.
11. Publication: : in HEC/PNC recognize journals maximum 5 marks
 - i. 1st author: 1.0 marks per paper
 - ii. 2nd & 3rd author: 0.5 marks per paper
 - iii. 4th and onward author: 0.2 marks per paper
12. Interview 20 marks. (Any applicant who secures less than 50% marks in interview shall be declared as unsuccessful).

Note: Minimum 2 years' experience for post RN & Minimum 3-5 years experience for BSN.

Allocation of Seats: 15

Revised breakup

- | | |
|---------------------------|----------|
| a. Open Merit | 09 seats |
| a. Baluchistan | 02 seats |
| b. FATA | 02 seats |
| c. Foreign Reserved Seats | 02 seats |

Note: If the seats allocated for candidates from Baluchistan, FATA and Foreign countries applicants remain vacant, these vacancies will be converted to open merit seats.

FEE STRUCTURE FOR MASTER IN NURSING PROGRAM

Fee Structure	First Semester	Second Semester	Third Semester	Fourth Semester
Tuition fee	48000	48000	49000	49000
KMU Registration Fee	1800			
PNC Enrolment Fee	1000			
Examination fee as per rules				

Foreign Reserved Seat Fee: \$ 2200 (US Dollar) per semester

MSc Nursing Program Structure

Year-I, Semester-I		
Code	Course	Credit Hours
NU-611	Advance Nursing Theory	3
NU-612	Nursing Education Design	3
NU-613	Advance Health & Clinical Assessment	3
NU-614	Advanced Pathophysiology for common diseases	3
NU-615	Epidemiology	3
NU-616	Journal Club / Graduate Seminar	2
NU-617	Biostatistics	3
Total		20
Year-I, Semester-II		
Code	Course	Credit Hours
NU-621	Nursing Research	3
NU-622	Nursing Leadership and management	3
NU-623	Advanced Pharmacology	3
NU-624	Ethics in Health Care	3
NU-625	English (Academic Writing)	3
NU-626	Proposal writing	2
NU-627	Research Seminar	3
Total		20
Year-II, Semester-III		
NU-711	Theoretical Concepts in Public/Community Health Nursing	3
NU-712	Advanced Specialty Practicum in: <ol style="list-style-type: none"> 1. Leadership & Management 2. Education 3. Clinical / Community 	8
Year-II, Semester-IV		
NU-713	Thesis	8

LIBRARY RULES

The Institute of Nursing Sciences at Khyber Medical University has a well-equipped library with adequate and comfortable seating arrangement. It is run by a qualified librarian, and is well-stocked with several thousand books and journals. The following rules, subject to change / modification by the library shall be followed:



1. The library will remain open during the working hours.
2. Students will be entitled to borrow not more than two books at a time.
3. The students may retain books not more than two weeks.
4. Faculty members will be entitled to borrow five books at a time and may retain them for a period of four weeks.
5. Library Card shall be issued to each person to borrow books from the library. Such card shall be non-transferable and will be issued free of charge.
6. Borrowers shall be responsible for the books used on their cards. Any damage or loss will be recovered from them.
7. The Librarian may refuse to lend books to any person who fails to clear the fine and will send names of the defaulters to head of department.
8. Students will be fined for the overdue books Rs. 20/- per book per day.
9. Books, which are required for reference, such as Encyclopaedias, Dictionaries etc. and books of greater value shall not be removed from the library.
10. Stock lacking books will not be issued to the members and upon notification of stock lacking all books borrowed out should be returned immediately.
11. Silence and order must be maintained in the Library at all times.
12. The library shall be under the control of Librarian.

DRESS CODE:

All the students of B. Sc Generic (4 years) and B. Sc. Post RN (2 years) shall wear the following uniform.

FOR MALE STUDENTS:

- a. The students will wear gray dress pant, white dress shirt, black shoes, white overall and display their ID cards in the campus. AND White pant, white shirt and black shoes at clinical areas.
- b. In winter students will wear maroon sweater/jersey/coat
- c. Tight jeans and shirts containing logos/mark are not allowed. Those students not adhering to the rules and regulation of the institution regarding dress code will not be allowed in the class room, laboratory or clinical duty.

FOR FEMALE STUDENTS:

- a. The students shall wear white shalwar, plain maroon shirt, white dupata, overall, black shoes and display their ID cards in the campus.
- b. The students will wear white shalwar, white shirt, white coat, black shoes and ID card at the clinical.
- c. In winter students will wear maroon sweater/jersey/coat

Those students not adhering to the rules and regulation of the institution will be fined Rs. 100.

Any students not wear the above mentioned uniform will be not allowed to enter in the campus.

Student Code of Conduct:

The University considers its students to be mature and responsible individuals and makes all efforts for developing matching professional attributes. The INS, KMU expects that behavior of the students within and outside the premises of the University will be in conformity with the highest standards of honesty, morality and discipline. The student will expect the rights and privileges of the members of the University community at all times. They will refrain from conduct that might damage the reputation of the University or any of its programs.

The student will refrain from any conduct that may lead to the disruption of an academic program of the University and from cheating and plagiarism in any setting of the University.

All students will conduct themselves in a manner that respects the rights of others while residing in the hostels and shall avoid any behavior that disturbs other resident students and staff of the University. In addition, without in any way limiting the above, students will comply with all the hostel rules.

General Conduct:

All students will present themselves with dignity befitting their status as mature, professional and responsible citizens.

- a) Students in all settings on campus are expected to dress in a simple and decent manner.

- b) Students individually or as a group, will obtain written University approval before organizing or assisting in organizing demonstrations, rallies or picketing on campus.
- c) Students individually or as a group will refrain from disseminating or causing to disseminate materials or engage in activity which hinder or prevent the full participation of another person or group in the life of the University.
- d) All political, ethnic, religious and social activities held in the campus must have prior written University authorization.
- e) Students will ensure that their actions do not endanger or threaten the health, safety or wellbeing of other person.
- f) Students will refrain from any behaviour which can be interpreted by others as sexual harassment.
- g) Student will obtain written authorization before making public statements, communication or correspondence with the press or other media for mass communication on behalf of the University.
- h) Unless otherwise authorized, in writing the students will refrain from inviting Government and or foreign dignitaries, ministers, representatives of foreign government/agencies or other public personalities in their official capacities on campus.
- i) Student will refrain from any activity which is subversive of discipline any may constitute misconduct.

Academic conduct:

All students will diligently apply themselves to their registered courses of study. They will respect the confidentiality of information and will use it in no other circumstances than for professional and authorized academic purpose.

- a) Students will attend lectures, tutorials, seminars, practical, clinics and ward assignments, examinations and other scheduled courses and activities except for reasons acceptable to the University.
- b) Students will ensure that any academic writing, including essays, theses, research projects or assignments in a course or program of the study either represents their own words, ideas, images or data or is appropriately referenced.
- c) Students will ensure that they themselves complete scheduled examinations or attend other academic activities.
- d) Students will obtain authorization, before procuring, possessing, distributing or receiving any confidential material pertaining to academic tests examinations, research or laboratory results from any source.
- e) Students will respect the confidentiality of information pertaining to patients, including their records or files.

Disciplinary Action in case of violation of the Institution's code of conduct will be taken. The University will have the powers to impose any one or more of the following actions. However nothing will preclude the University from acquiring any student or parent or both to execute any bond, assurance or undertaking to support expected conduct throughout his/her stay at the University.

Disciplinary Offence will be liable to one or more of the following steps taken by the disciplinary committee comprising of the faculty members.

- a) Counselling of the student.
- b) Probation: a student can be put on probation for a specified period of time with mandatory periodic counselling.
- c) A letter of warning or reprimand to the student with information to the parents.
- d) The payment of fine by the offender commensurate with the nature and gravity of the offence committed.
- e) Suspension from the University or expulsion from the university residences if so required.
- f) Any other penalty which the University may deem fit to impose.



**KHYBER MEDICAL UNIVERSITYINSTITUTE OF
PARAMEDICAL SCIENCES**



**10/ B-3 KMU New Compound Phase – V, Hayatabad, Peshawar
Tel: +919217838, +915892838, www.kmu.edu.pk**

INTRODUCTION

In the present healthcare system the healthcare delivery revolves around the doctors, nurses and health technicians. The technicians are diploma holders having very limited skills and knowledge and far below the requirement to influence the healthcare delivery effectively. The need was felt by the authorities concerned that a cadre of professional be produced having enhanced knowledge, skills and behaviors who will be able to add to healthcare delivery effectively and improve the services provision in Khyber Pakhtunkhwa (KP). The idea was conceived to have an institute producing technologists to meet the requirement. As a result



Institute of Paramedical Sciences (IPMS) of Khyber Medical University was established in 2012 to materialize the perceived idea and offered BS 4 years program to students. The IPMS is the public sector institute in KP where BS programs are offered in paramedical sciences. For the first batch, admissions were offered in six disciplines (Cardiology, Radiology, Anesthesia, Medical Laboratory Technology (MLT), surgical Technology and Dental Technology) and a total of 150 students were given admission. For the second batch the BS program was extended to 10 disciplines adding 4 more (Cardiac Perfusion, Intensive Care, Dialysis, and Emergency Technology) to the already existing six disciplines.

The Institute is also running BS MLT (2 years condensed program) in evening shift for those students who have already done Bsc MLT(2years). The idea is to give opportunity to those paramedics who are already working in hospitals and want to improve their skills and knowledge.

The institute has special emphasis on character building, and awareness on medical ethics so that a cadre of empathetic professionals be produced and could be able to adopt ethical approaches in services provision.

VISION

The vision of the institute is to produce PhD scholars and M. Phil degree holding professionals and prove itself as hub of such professionals who will be able to deliver at national level and won recognition at international level.

MISSION

IPMS is committed to provide window to all those students who aspire to become highly qualified health professionals and enable them to work as thorough professionals. The IPMS KMU will endeavor to provide highly committed technologist to healthcare system of KP.

Objectives of the Paramedical Sciences Program

1. Prepare a cadre of healthcare technologists who can effectively assist senior health professionals in the delivery of quality health services.
2. Prepare skilled paramedical human resource for all levels of the healthcare delivery system from primary to tertiary care level.
3. Skill recommended human resource.

4. Introduce and impart standard technical education with new modern techniques, within the fields of medical technologies, by replacing the conventional methods of pre-service training (certificate level).
5. Provide paramedics a status and human resource recognition in the healthcare delivery system through improving their capacity along with increasing awareness of their responsibilities and job description.
6. Equip the paramedical staff with modern skills and knowledge to bring them at par with other national and international standards.

Management and Faculty

Management team and teaching faculty members comprising as follows are responsible to organize and manage entire teaching and learning activities at institute level and coordinate with KMU Authorities.

S.No.	Name & Designation	Qualification
1	Lt Col (R) Dr. Javed Khan Consultant	MPH , (KMU) MBBS, POST GRADUATE DIPLOMA IN DISASTERS PREPAREDNESS AND MANAGEMENT (UOP)
2.	Dr. Bibi Maryam, Lecturer Dental Sciences	BDS, FCPS CHPE(KMU)
3.	Muhammad Jaseem Khan Lecturer Medical Lab Tech	BSc MLT (Punjab), MSc (PMAS-AAUR), M. Phil (QAU) CHPE(KMU)
4.	Shaikh Atif Mehmood Lecturer Radiology	BS Medical Imaging Technology(UHS) MSc, Ultrasound(BKU) CHPE(KMU)
5.	Muhammad Imran Lecturer Cardiology	BS Cardiology (Cardiac Perfusion)(UHS) DHMS, MSc Ultrasound (BKU) CHPE(KMU)
6.	Matiullah Lecturer Anaesthesia	BS Anaesthesia (UOP) CHPE (KMU)
7.	Benish Islam Lecturer Surgical Tech	BS Surgical Technology (KEMU) CHPE (KMU)
8.	Amanullah Lecturer Medical Lab Tech	BSc Medical Lab Technology (BMU) MSc –Microbiology(UOK) M. Phil Microbiology (QAU) CHPE (KMU)
9.	Muhammad AsifZeb Lecturer Medical Lab Tech	BSc Medical Technology (BMU) MSc Haematology (BMU) CHPE (KMU)
10.	Yousaf Khan Lecture Renal Dialysis	BS Renal Dialysis Technology Sindh Institute of Urology and Transplantation(SIUT)Karachi CHPE (KMU)
11.	Syed Hassan Askari Lecturer Emergency & Intensive Care	BS Emergency & Intensive Care (UHS) CHPE (KMU)

12.	Mukhtiar Ahmad Lecturer Anaesthesia	BS Anaesthesia(University of Peshawar) CHPE (KMU)
13.	Midrar Khan Lecturer Radiology	BS Radiology(University of Peshawar) CHPE (KMU)
14.	Zahid Rehman Lecturer Surgical	BS Surgical(Sindh Institute of Urology and Transplantation(SIUT) Karachi CHPE (KMU)
15.	Mr. Iftikhar Ahmad Office Manager	MBA
16.	Mr. Naveed Iqbal Section In-charge	MCS,MA(Sarhad/Peshawar university)

Teaching Learning Resources

- Lecture Theatres
- Library
- Computer Laboratory
- IBMS Laboratory
- Learning Resource Centre (LRC)

Teaching & Learning Strategies

- Lectures
- Demonstrations
- Seminars
- Workshops
- Tutorials
- Reflective journal/Log Books/ Practical notebooks
- Assignments
- Clinical teachings and Practices
- Visits to Various well reputed institutes/ health facilities in and outside the province
- Tours and interactions with other Universities / Institutes imparting similar trainings and skills

Clinical Affiliation

- Khyber Teaching Hospital Peshawar
- Hayatabad Medical Complex Peshawar
- Lady Reading Hospital Peshawar
- Khyber College of Dentistry Peshawar

Student Counseling Service (SCS)

The student counseling service is a facility through which students can get help with study skills, career decisions, substance abuse, and personal problems such as anxiety or depression.

The SCS also provides a wide range of services to faculty and staff. The SCS provides individual and group counseling to enhance students 'academic performance in the most congenial environment. Individual counseling assists students in resolving issues that might cause emotional distress and interfere with their personal and academic objectives

IPMS career development centre (CDC) provides resources and services to assist individuals to explore academic, career and academic options. CDC empowers people to develop and implement a plan to achieve their academic and professional goals.

It offers information, counseling, training and placement services to help prepare students for their professional life.

IPMS Campus

IPMS is situated in New Building of Khyber Medical University 10/ B-3, Phase 5, Hayatabad. Hayatabad is a modern and first ever planned township in Peshawar. It is quite self-sufficient as it provides almost everything that its residents need including hospitals, mosques, markets and supermarkets, schools and higher educational institutions, public transport, police and private security, community services halls and sports grounds.



Computer Lab

A well-equipped computer lab is available for students to improve their computer skills.

Canteen

The campus has a canteen that serves from morning till late evening. Besides catering for the food and drinks, some daily need items are also available.

Transport

The Institute provides transportation service to the local day scholars. Moreover, cabs and private buses and taxis are available almost round the clock at stops adjacent to the campus



Dress code

In order to maintain academic dignity and sanctity of the institute and promote proper academic environment, students are required to be properly dressed. For male students white shirt, Grey steel paint and white overall are mandatory, while for female white overall, white trouser with maroon shirt is compulsory.

Programs of Studies

Undergraduate Level

IPMS is offering BS (HONS) 4 years program in the following specialties.

1. Anaesthesia
2. Cardiology
3. Dental
4. Radiology
5. Surgical
6. Medical Lab Technology
7. Dialysis
8. Emergency Care
9. Intensive Care



Khyber Medical University Peshawar
Course Structure
Semester with different Technologies

BS (Paramedics)

Technology: Anesthesia					
Semester 1					
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS101	Biochemistry-I	4.00	0.00	100.00	0
PMS102	Human Physiology-I	4.00	0.00	100.00	0
PMS103	Human Anatomy-I	4.00	0.00	100.00	0
PMS104	English-I	2.00	0.00	100.00	0
PMS105	Pak Studies	2.00	0.00	100.00	0
PMS106	Computer Skills	2.00	0.00	100.00	0
Semester 2					
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS107	Biochemistry-II	4.00	0.00	100.00	0
PMS108	Human Physiology-II	4.00	0.00	100.00	0
PMS109	Human Anatomy-II	4.00	0.00	100.00	0
PMS110	English-II	2.00	0.00	100.00	0
PMS111	Islamic Studies	2.00	0.00	100.00	0
Semester 3					
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS201	General Pathology-I	3.00	0.00	100.00	0
PMS202	General Pharmacology-I	3.00	0.00	100.00	0
PMS204	Haematology-I	3.00	0.00	100.00	0
PMS206	Communication Skills	2.00	0.00	100.00	0
PMS207	Medical Microbiology-I	3.00	0.00	100.00	0
PMS208	Anatomy related to anaesthesia	3.00	0.00	100.00	0
Semester 4					
SubjectID		Credit Hours	Mid %	Final %	Int Assmnt %

BS (Paramedics)

Technology: Anesthesia					
		Semester	4		
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS220	General Pharmacology-II	3.00	0.00	100.00	0
PMS221	General Pathology-II	3.00	0.00	100.00	0
PMS225	Behavioural Sciences	2.00	0.00	100.00	0
PMS226	Haematology-II	3.00	0.00	100.00	0
PMS232	Physiology related to anesthesia	3.00	0.00	100.00	0
PMS233	Physics related to anesthesia	3.00	0.00	100.00	0
		Semester	5		
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS324	Pharmacology related to anesthesia	3.00	0.00	100.00	0
PMS325	Anesthesia equipments	3.00	0.00	100.00	0
PMS326	History taking, pre-operative assessment & medication, post-operative care	3.00	0.00	100.00	0
PMS327	Medicine relevant to anaesthesia	3.00	0.00	100.00	0
PMS328	Critical care	3.00	0.00	100.00	0
PMS329	Leadership and management	2.00	0.00	100.00	0
		Semester	6		
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS308	Biostatistics	3.00	0.00	100.00	0
PMS330	Different types of anesthesia	3.00	0.00	100.00	0
PMS331	Anesthesia related complications and their management	3.00	0.00	100.00	0
PMS332	Anesthesia for orthopaedic & urological	3.00	0.00	100.00	0
PMS335	Geriatric anesthesia	3.00	0.00	100.00	0
PMS341	Epidemiology	2.00	0.00	100.00	0
SubjectName					

BS (Paramedics)

Technology: Anesthesia					
		Semester	7		
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS402	Fundamentals of Infection Control	3.00	0.00	100.00	0
PMS418	Anesthesia for G/surgerv.F.N.T	3.00	0.00	100.00	0
PMS419	Anesthesia for cardiothoracic surgerv	3.00	0.00	100.00	0
PMS420	Anesthesia for neuro surgerv. trauma and	3.00	0.00	100.00	0
PMS421	Anesthesia for obstetrics and peditric surgerv	3.00	0.00	100.00	0
PMS447	Research methodology	2.00	0.00	100.00	0
		Semester	8		
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS406	Research project	12.00	0.00	100.00	0
PMS408	Seminar	2.00	0.00	100.00	0
PMS422	Anesthesia for dental surgerv	3.00	0.00	100.00	0

BS (Paramedics)

Technology: Cardiac Perfusion					
Semester 1					
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS101	Biochemistrv-I	4.00	0.00	100.00	0
PMS102	Human Phvsiology-I	4.00	0.00	100.00	0
PMS103	Human Anatomy-I	4.00	0.00	100.00	0
PMS104	English-I	2.00	0.00	100.00	0
PMS105	Pak Studies	2.00	0.00	100.00	0
PMS106	Computer Skills	2.00	0.00	100.00	0
Semester 2					
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS107	Biochemistrv-II	4.00	0.00	100.00	0
PMS108	Human Phvsiology-II	4.00	0.00	100.00	0
PMS109	Human Anatomy-II	4.00	0.00	100.00	0
PMS110	English-II	2.00	0.00	100.00	0
PMS111	Islamic Studies	2.00	0.00	100.00	0
Semester 3					
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS201	General Pathology-I	3.00	0.00	100.00	0
PMS202	General Pharmacology-I	3.00	0.00	100.00	0
PMS204	Hematology-I	3.00	0.00	100.00	0
PMS206	Communication Skills	2.00	0.00	100.00	0
PMS207	Medical Microbiology-I	3.00	0.00	100.00	0
PMS213	Cardiopulmonarv Anatomy	3.00	0.00	100.00	0
Semester 4					
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %

BS (Paramedics)

Technology: Cardiac Perfusion					
		Semester	4		
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS218	Cardiopulmonary Physiology	3.00	0.00	100.00	0
PMS220	General Pharmacology-II	3.00	0.00	100.00	0
PMS221	General Pathology-II	3.00	0.00	100.00	0
PMS225	Behavioral Sciences	2.00	0.00	100.00	0
PMS226	Hematology-II	2.00	0.00	100.00	0
PMS227	Medical Microbiology-II	2.00	0.00	100.00	0
PMS242	Electrocardiography-I	3.00	0.00	100.00	0
		Semester	5		
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS346	Clinical Medicine	4.00	0.00	100.00	0
PMS352	Perfusion Technology-I	2.00	0.00	100.00	0
PMS371	Echocardiography-I	3.00	0.00	100.00	0
PMS372	Electrocardiography-II	3.00	0.00	100.00	0
PMS374	Medical Physics	3.00	0.00	100.00	0
PMS382	Ventricular assist devices	3.00	0.00	100.00	0
		Semester	6		
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS328	Critical Care	3.00	0.00	100.00	0
PMS354	Pharmacology related to Perfusion	4.00	0.00	100.00	0
PMS358	Extra Corporeal Membrane Oxygenation	3.00	0.00	100.00	0
PMS377	Diagnostic Equipments in Cardiology	3.00	0.00	100.00	0
PMS379	Pulmonary Diseases	3.00	0.00	100.00	0
PMS380	Cardiac Surgery	2.00	0.00	100.00	0

BS (Paramedics)

Technology: Cardiac Perfusion					
		Semester	7		
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS341	Epidemiology	2.00	0.00	100.00	0
PMS366	Perfusion Technology-II	3.00	0.00	100.00	0
PMS443	Heart Diseases	3.00	0.00	100.00	0
PMS447	Research Methodology	3.00	0.00	100.00	0
PMS448	Bioinformatics	3.00	0.00	100.00	0
PMS449	Biostatistics	3.00	0.00	100.00	0
		Semester	8		
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS406	Research project	6.00	0.00	100.00	0
PMS408	Seminar	1.00	0.00	100.00	0
PMS450	Subject of own Interest	4.00	0.00	100.00	0

BS (Paramedics)

Technology: Cardiology					
Semester 1					
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS101	Biochemistrv-I	4.00	0.00	100.00	0
PMS102	Human Phvsiology-I	4.00	0.00	100.00	0
PMS103	Human Anatomy-I	4.00	0.00	100.00	0
PMS104	English-I	2.00	0.00	100.00	0
PMS105	Pak Studies	2.00	0.00	100.00	0
PMS106	Computer Skills	2.00	0.00	100.00	0
Semester 2					
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS107	Biochemistrv-II	4.00	0.00	100.00	0
PMS108	Human Phvsiology-II	4.00	0.00	100.00	0
PMS109	Human Anatomy-II	4.00	0.00	100.00	0
PMS110	English-II	2.00	0.00	100.00	0
PMS111	Islamic Studies	2.00	0.00	100.00	0
Semester 3					
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS201	Genral Pathologv-I	3.00	0.00	100.00	0
PMS202	Genral Pharmacologv-I	3.00	0.00	100.00	0
PMS204	Haematologv-I	3.00	0.00	100.00	0
PMS206	Communication Skills	2.00	0.00	100.00	0
PMS207	Medical Microbiologv-I	3.00	0.00	100.00	0
PMS213	Cardiopulmonarv Anatomv	3.00	0.00	100.00	0
Semester 4					
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %

BS (Paramedics)

Technology: Cardiology					
		Semester	4		
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS218	Cardiopulmonary Physiology	3.00	0.00	100.00	0
PMS220	General Pharmacology-II	3.00	0.00	100.00	0
PMS221	General Pathology-II	3.00	0.00	100.00	0
PMS225	Behavioural Sciences	2.00	0.00	100.00	0
PMS226	Haematology-II	2.00	0.00	100.00	0
PMS227	Medical Microbiology-II	2.00	0.00	100.00	0
PMS242	Electrocardiography-I	3.00	0.00	100.00	0
		Semester	5		
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS369	Clinical Medicine-I	4.00	0.00	100.00	0
PMS370	Electrophysiology	2.00	0.00	100.00	0
PMS371	Echocardiography-I	3.00	0.00	100.00	0
PMS372	Echocardiography-II	3.00	0.00	100.00	0
PMS373	Interventional Cardiology	3.00	0.00	100.00	0
PMS374	Medical Physics	3.00	0.00	100.00	0
		Semester	6		
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS328	Critical Care	3.00	0.00	100.00	0
PMS375	Clinical Medicine-II	4.00	0.00	100.00	0
PMS376	Cardiac Surgery	2.00	0.00	100.00	0
PMS377	Diagnostic Equipments in Cardiology	3.00	0.00	100.00	0
PMS378	Echocardiography-II	3.00	0.00	100.00	0
PMS379	Pulmonary Diseases	3.00	0.00	100.00	0

BS (Paramedics)

Technology: Cardiology					
		Semester	7		
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS404	Epidemiology	2.00	0.00	100.00	0
PMS442	Perfusion Technology	3.00	0.00	100.00	0
PMS443	Heart Diseases	3.00	0.00	100.00	0
PMS447	Research Methodology	3.00	0.00	100.00	0
PMS448	Bioinformatics	3.00	0.00	100.00	0
PMS449	Biostatistics	3.00	0.00	100.00	0
		Semester	8		
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS406	Research project	6.00	0.00	100.00	0
PMS408	Seminar	1.00	0.00	100.00	0
PMS450	Subject of own Interest	4.00	0.00	100.00	0

BS (Paramedics)

Technology: Dental					
Semester 1					
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS101	Biochemistry-I	4.00	0.00	100.00	0
PMS102	Human Physiology-I	4.00	0.00	100.00	0
PMS103	Human Anatomy-I	4.00	0.00	100.00	0
PMS104	English-I	2.00	0.00	100.00	0
PMS105	Pak Studies	2.00	0.00	100.00	0
PMS106	Computer Skills	2.00	0.00	100.00	0
Semester 2					
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS107	Biochemistry-II	4.00	0.00	100.00	0
PMS108	Human Physiology-II	4.00	0.00	100.00	0
PMS109	Human Anatomy-II	4.00	0.00	100.00	0
PMS110	English-II	2.00	0.00	100.00	0
PMS111	Islamic Studies	2.00	0.00	100.00	0
Semester 3					
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS201	General Pathology-I	3.00	0.00	100.00	0
PMS202	General Pharmacology-I	3.00	0.00	100.00	0
PMS206	Communication Skills	2.00	0.00	100.00	0
PMS254	Specialized Anatomy of Oral Cavity+Dental Morphology-I	3.00	0.00	100.00	0
PMS255	Oral Histology-I	3.00	0.00	100.00	0
PMS256	Chemistry of Dental Materials-I	3.00	0.00	100.00	0
Semester 4					
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %

BS (Paramedics)

Technology: Dental					
		Semester	4		
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS207	Medical Microbiology-I	2.00	0.00	100.00	0
PMS220	General Pharmacology-II	4.00	0.00	100.00	0
PMS225	Communication Skills	2.00	0.00	100.00	0
PMS257	Oral Anatomy And Tooth Morphology-II	2.00	0.00	100.00	0
PMS258	Chemistry of Dental Materials-II	3.00	0.00	100.00	0
PMS259	Oral Histology-II	4.00	0.00	100.00	0
		Semester	5		
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS384	Oral Pathology	4.00	0.00	100.00	0
PMS385	Periodontology	3.00	0.00	100.00	0
PMS386	Preventive Dentistry		0.00	100.00	0
PMS387	Dental Pharmacology	2.00	0.00	100.00	0
PMS388	Sterilization and Disinfection	2.00	0.00	100.00	0
PMS389	Dental Instrumentation	2.00	0.00	100.00	0
		Semester	6		
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS308	Biostatistics	3.00	0.00	100.00	0
PMS310	Research Methodology	3.00	0.00	100.00	0
PMS390	Prosthodontics	3.00	0.00	100.00	0
PMS391	Maxillofacial Surgery-I	3.00	0.00	100.00	0
PMS392	Conservative Dentistry	3.00	0.00	100.00	0
PMS393	Orthodontics	3.00	0.00	100.00	0

BS (Paramedics)

Technology: Dental					
		Semester	7		
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS453	Implantology& Prosthodontics	4.00	0.00	100.00	0
PMS454	Maxillofacial Surgery-II	4.00	0.00	100.00	0
PMS455	Orthodontics-II	3.00	0.00	100.00	0
PMS456	Conservative Dentistry-II	2.00	0.00	100.00	0
PMS457	Periodontology-II	2.00	0.00	100.00	0
		Semester	8		
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS406	Research Project	6.00	0.00	100.00	0
PMS458	Clinical Dental Lab Procedures	2.00	0.00	100.00	0

BS (Paramedics)

Technology: Emergency					
Semester 1					
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS101	Biochemistrv-I	4.00	0.00	100.00	0
PMS102	Human Phvsiology-I	4.00	0.00	100.00	0
PMS103	Human Anatomy-I	4.00	0.00	100.00	0
PMS104	English-I	2.00	0.00	100.00	0
PMS105	Pak Studies	2.00	0.00	100.00	0
PMS106	Computer Skills	2.00	0.00	100.00	0
Semester 2					
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS107	Biochemistrv-II	4.00	0.00	100.00	0
PMS108	Human Phvsiology-II	4.00	0.00	100.00	0
PMS109	Human Anatomy-II	4.00	0.00	100.00	0
PMS110	English-II	2.00	0.00	100.00	0
PMS111	Islamic Studies	2.00	0.00	100.00	0
Semester 3					
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS201	General Pathology-I	3.00	0.00	100.00	0
PMS202	General Pharmacology-I	3.00	0.00	100.00	0
PMS204	Hematology-I	3.00	0.00	100.00	0
PMS206	Communication Skills	2.00	0.00	100.00	0
PMS207	Medical Microbiology-I	3.00	0.00	100.00	0
PMS353	Medical Emergency-I	3.00	0.00	100.00	0
Semester 4					
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %

BS (Paramedics)

Technology: Emergency					
		Semester	4		
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS220	General Pharmacology-II	3.00	0.00	100.00	0
PMS221	General Pathology-II	3.00	0.00	100.00	0
PMS225	Behavioural Sciences	3.00	0.00	100.00	0
PMS227	Medical Microbiology-II	3.00	0.00	100.00	0
PMS230	Diagnostic Imaging	2.00	0.00	100.00	0
PMS459	Medical Emergency - II	3.00	0.00	100.00	0
		Semester	5		
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS229	Disaster Management	3.00	0.00	100.00	0
PMS336	Surgical Emergency -I	3.00	0.00	100.00	0
PMS341	Epidemiology	2.00	0.00	100.00	0
PMS355	Burns & Toxicology	3.00	0.00	100.00	0
PMS360	Trauma Emergency-I	3.00	0.00	100.00	0
PMS381	Neurological Emergency	3.00	0.00	100.00	0
		Semester	6		
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS308	Biostatistics	3.00	0.00	100.00	0
PMS310	Research Methodology	3.00	0.00	100.00	0
PMS356	Trauma Emergency-II	3.00	0.00	100.00	0
PMS357	Surgical Emergency -II	3.00	0.00	100.00	0
PMS359	Management of Cardiovascular Emergency	3.00	0.00	100.00	0
PMS436	Respiratory Therapy	2.00	0.00	100.00	0

BS (Paramedics)

Technology: Emergency					
		Semester	7		
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS402	Fundamentals of Infection Control	2.00	0.00	100.00	0
PMS434	Obstetrical Emergency -I	3.00	0.00	100.00	0
PMS435	Neonatal& Pediatric Emergency	3.00	0.00	100.00	0
PMS437	Life Support &Resuscitation	3.00	0.00	100.00	0
PMS438	Shock Types & its Management	2.00	0.00	100.00	0
		Semester	8		
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS406	Research Project	6.00	0.00	100.00	0
PMS446	Transportation of Critically ill Patient	2.00	0.00	100.00	0
PMS452	Obstetrical Emergency -II	2.00	0.00	100.00	0

BS (Paramedics)

Technology: Intensive Care					
Semester 1					
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS101	Biochemistrv-I	4.00	0.00	100.00	0
PMS102	Human Phvsiology-I	4.00	0.00	100.00	0
PMS103	Human Anatomy-I	4.00	0.00	100.00	0
PMS104	English-I	2.00	0.00	100.00	0
PMS105	Pak Studies	2.00	0.00	100.00	0
PMS106	Computer Skills	2.00	0.00	100.00	0
Semester 2					
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS107	Biochemistrv-II	4.00	0.00	100.00	0
PMS108	Human Phvsiology-II	4.00	0.00	100.00	0
PMS109	Human Anatomy-II	4.00	0.00	100.00	0
PMS110	English-II	2.00	0.00	100.00	0
PMS111	Islamic Studies	2.00	0.00	100.00	0
Semester 3					
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS201	General Pathology-I	3.00	0.00	100.00	0
PMS202	General Pharmacology-I	3.00	0.00	100.00	0
PMS204	Haematology-I	3.00	0.00	100.00	0
PMS206	Communication Skills	2.00	0.00	100.00	0
PMS207	Medical Microbiology-I	3.00	0.00	100.00	0
PMS219	Medical Intensive care -I	3.00	0.00	100.00	0
Semester 4					
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %

BS (Paramedics)

Technology: Intensive Care

		Semester 4				
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %	
PMS220	General Pharmacology-II	3.00	0.00	100.00	0	
PMS221	General Pathology-II	3.00	0.00	100.00	0	
PMS225	Behavioural Sciences	3.00	0.00	100.00	0	
PMS227	Medical Microbiology-II	3.00	0.00	100.00	0	
PMS230	Diagnostic Imaging	2.00	0.00	100.00	0	
PMS231	Medical Intensive care-II	3.00	0.00	100.00	0	
		Semester 5				
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %	
PMS325	Anesthesia Equipments	3.00	0.00	100.00	0	
PMS337	Surgical Intensive Care -I	3.00	0.00	100.00	0	
PMS341	Epidemiology	2.00	0.00	100.00	0	
PMS361	Applied Physics	3.00	0.00	100.00	0	
PMS362	Burns & Toxicology	3.00	0.00	100.00	0	
PMS383	Trauma Intensive Care-I	3.00	0.00	100.00	0	
		Semester 6				
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %	
PMS308	Biostatistics	3.00	0.00	100.00	0	
PMS310	Research Methodology	3.00	0.00	100.00	0	
PMS363	Trauma Intensive Care-II	3.00	0.00	100.00	0	
PMS364	Surgical Intensive Care -II	3.00	0.00	100.00	0	
PMS365	Management of Cardiovascular Emergency in IC	3.00	0.00	100.00	0	
PMS436	Respiratory Therapy	2.00	0.00	100.00	0	

BS (Paramedics)

Technology: Intensive Care					
		Semester	7		
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS402	Fundamentals of Infection Control	2.00	0.00	100.00	0
PMS437	Life Support & Resuscitation	3.00	0.00	100.00	0
PMS438	Shock Types & its Management	2.00	0.00	100.00	0
PMS439	Obstetrical Intensive Care -I	3.00	0.00	100.00	0
PMS440	Neonatal & Pediatric IC-I	3.00	0.00	100.00	0
PMS441	Recognition & Management of Organ Failure	3.00	0.00	100.00	0
		Semester	8		
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS406	Research Project	6.00	0.00	100.00	0
PMS444	Obstetrical Intensive Care -II	2.00	0.00	100.00	0
PMS445	Pediatric Intensive Care-II	2.00	0.00	100.00	0
PMS446	Transportation of Critically ill Patient	2.00	0.00	100.00	0

BS (Paramedics)

Technology: MLT					
Semester 1					
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS101	Biochemistry-I	4.00	0.00	100.00	0
PMS102	Human Physiology-I	4.00	0.00	100.00	0
PMS103	Human Anatomy-I	4.00	0.00	100.00	0
PMS104	English-I	2.00	0.00	100.00	0
PMS105	Pak Studies	2.00	0.00	100.00	0
PMS106	Computer Skills	2.00	0.00	100.00	0
Semester 2					
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS107	Biochemistry-II	4.00	0.00	100.00	0
PMS108	Human Physiology-II	4.00	0.00	100.00	0
PMS109	Human Anatomy-II	4.00	0.00	100.00	0
PMS110	English-II	2.00	0.00	100.00	0
PMS111	Islamic Studies	2.00	0.00	100.00	0
Semester 3					
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS201	General Pathology-I	3.00	0.00	100.00	0
PMS202	General Pharmacology-I	3.00	0.00	100.00	0
PMS203	Clinical Bacteriology	3.00	0.00	100.00	0
PMS204	Haematology-I	3.00	0.00	100.00	0
PMS205	Human Genetics	3.00	0.00	100.00	0
PMS206	Communication Skills	2.00	0.00	100.00	0
Semester 4					
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %

BS (Paramedics)

Technology: MLT					
		Semester	4		
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS220	General Pharmacology-II	3.00	0.00	100.00	0
PMS221	General Pathology-II	3.00	0.00	100.00	0
PMS222	Red blood cells Disorders	3.00	0.00	100.00	0
PMS223	Clinical Virology and Mycology	3.00	0.00	100.00	0
PMS224	Chemical Pathology	3.00	0.00	100.00	0
PMS225	Behavioural Sciences	2.00	0.00	100.00	0
		Semester	5		
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS301	WBCs and Platelets Disorders	3.00	0.00	100.00	0
PMS302	Histopathology	3.00	0.00	100.00	0
PMS303	Bioinformatics	3.00	0.00	100.00	0
PMS304	Clinical Parasitology	3.00	0.00	100.00	0
PMS305	Clinical Pathology	3.00	0.00	100.00	0
PMS306	Biothechnology	2.00	0.00	100.00	0
		Semester	6		
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS307	Medical Laboratory Instrumentation	3.00	0.00	100.00	0
PMS308	Biostatistic	3.00	0.00	100.00	0
PMS309	Immunology and Serology	3.00	0.00	100.00	0
PMS310	Research Methodology	3.00	0.00	100.00	0
PMS311	Blood Banking	3.00	0.00	100.00	0
PMS312	Advance in Medical Laboratory Technology	2.00	0.00	100.00	0

BS (Paramedics)

Technology: MLT					
		Semester	7		
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS401	Laboratory Management Skills	3.00	0.00	100.00	0
PMS402	Fundamentals of Infection Control	2.00	0.00	100.00	0
PMS403	Molecular Biology	3.00	0.00	100.00	0
PMS404	Epidemiology	2.00	0.00	100.00	0
PMS405	Systemic diagnostic bacteriology		0.00	100.00	0
PMS407	Cytology and Cytogenetics	3.00	0.00	100.00	0
		Semester	8		
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS406	Research Project	6.00	0.00	100.00	0
PMS408	Seminar	1.00	0.00	0.00	0
PMS409	Medical Sociology	3.00	0.00	100.00	0
PMS410	Bioethics	2.00	0.00	100.00	0

BS (Paramedics)

Technology: Radiology					
		Semester 1			
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS101	Biochemistry-I	4.00	0.00	100.00	0
PMS102	Human Physiology-I	4.00	0.00	100.00	0
PMS103	Human Anatomy-I	4.00	0.00	100.00	0
PMS104	English-I	2.00	0.00	100.00	0
PMS105	Pak Studies	2.00	0.00	100.00	0
PMS106	Computer Skills	2.00	0.00	100.00	0
		Semester 2			
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS107	Biochemistry-II	4.00	0.00	100.00	0
PMS108	Human Physiology-II	4.00	0.00	100.00	0
PMS109	Human Anatomy-II	4.00	0.00	100.00	0
PMS110	English-II	2.00	0.00	100.00	0
PMS111	Islamic Studies	2.00	0.00	100.00	0
		Semester 3			
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS201	General Pathology-I	3.00	0.00	100.00	0
PMS202	General Pharmacology-I	3.00	0.00	100.00	0
PMS206	Communication Skills	2.00	0.00	100.00	0
PMS210	Regional and Radiological Anatomy-I	3.00	0.00	100.00	0
PMS211	General Radiology	3.00	0.00	100.00	0
PMS212	Radiation Sciences and Technology	3.00	0.00	100.00	0
		Semester 4			
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %

BS (Paramedics)

Technology: Radiology					
		Semester	4		
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS234	Clinical Medicine-I	2.00	0.00	100.00	0
PMS235	Regional and Radiological Anatomy-II	3.00	0.00	100.00	0
PMS236	Conventional Radiological Procedures & clinical Practice	4.00	0.00	100.00	0
PMS237	Radiological Positioning & Clinical Practice	4.00	0.00	100.00	0
PMS238	Computed & Digital Radiography (CR & DR)	2.00	0.00	100.00	0
PMS239	Radiobiology & Radiation Protection	2.00	0.00	100.00	0
		Semester	5		
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS313	Computed Tomography(CT)	4.00	0.00	100.00	0
PMS314	Mammography & Special Radiological	3.00	0.00	100.00	0
PMS315	Magnetic Resonance Imaging (MRI)	4.00	0.00	100.00	0
PMS316	General Surgery	2.00	0.00	100.00	0
PMS317	Interventional Radiology	2.00	0.00	100.00	0
PMS318	Clinical Medicine-II	2.00	0.00	100.00	0
		Semester	6		
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS308	Biostatistics	3.00	0.00	100.00	0
PMS310	Research Methodology	3.00	0.00	100.00	0
PMS319	Radiological & Cross sectional Anatomy	3.00	0.00	100.00	0
PMS320	Computed Tomography (CT) Procedures & Clinical Practice	3.00	0.00	100.00	0
PMS321	Magnetic Resonance Imaging(MRI)Procedures & Clinical Practice	3.00	0.00	100.00	0
PMS322	Therapeutic Radiology	3.00	0.00	100.00	0

BS (Paramedics)

Technology: Radiology					
		Semester	7		
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS411	Clinical Sonographv	4.00	0.00	100.00	0
PMS412	Angiographv and Cardiac Imaging	4.00	0.00	100.00	0
PMS413	Nuclear Medicine	3.00	0.00	100.00	0
PMS414	Echocardiographv	2.00	0.00	100.00	0
PMS415	Electrocardiographv(ECG)	2.00	0.00	100.00	0
PMS416	Clinical Pathologv & Radiological Presentation	2.00	0.00	100.00	0
		Semester	8		
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS406	Research Project	6.00	0.00	100.00	0
PMS409	Medical Sociologv	2.00	0.00	100.00	0
PMS417	Patient care & Management	2.00	0.00	100.00	0

BS (Paramedics)

Technology: Renal Dialysis					
Semester 1					
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS101	Biochemistrv-I	4.00	0.00	100.00	0
PMS102	Human Phvsiology-I	4.00	0.00	100.00	0
PMS103	Human Anatomv-I	4.00	0.00	100.00	0
PMS104	English-I	2.00	0.00	100.00	0
PMS105	Pak Studies	2.00	0.00	100.00	0
PMS106	Computer Skills	2.00	0.00	100.00	0
Semester 2					
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS107	Biochemistrv-II	4.00	0.00	100.00	0
PMS108	Human Phvsiology-II	4.00	0.00	100.00	0
PMS109	Human Anatomv-II	4.00	0.00	100.00	0
PMS110	English-II	2.00	0.00	100.00	0
PMS111	Islamic Studies	2.00	0.00	100.00	0
Semester 3					
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS201	General Pathologv-I	3.00	0.00	100.00	0
PMS202	General Pharmacologv-I	3.00	0.00	100.00	0
PMS204	Haematologv-I	3.00	0.00	100.00	0
PMS206	Communication Skills	2.00	0.00	100.00	0
PMS207	Medical Microbiologv-I	3.00	0.00	100.00	0
PMS217	Anatomv and Phvsiology of Kidnev	3.00	0.00	100.00	0
Semester 4					
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %

BS (Paramedics)

Technology: Renal Dialysis					
		Semester	4		
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS220	General Pharmacology-II	3.00	0.00	100.00	0
PMS221	General Pathology-II	3.00	0.00	100.00	0
PMS225	Behavioural Sciences	2.00	0.00	100.00	0
PMS226	Haematology-II	3.00	0.00	100.00	0
PMS227	Medical Microbiology-II	3.00	0.00	100.00	0
PMS228	General Pathology of Kidney	3.00	0.00	100.00	0
		Semester	5		
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS334	Kidney Failure	2.00	0.00	100.00	0
PMS342	Principle of Dialysis	3.00	0.00	100.00	0
PMS343	Dialysis Procedure	3.00	0.00	100.00	0
PMS344	Acute complication of Dialysis	3.00	0.00	100.00	0
PMS345	Dialysis in Special Situation	3.00	0.00	100.00	0
PMS347	Chronic complication of Dialysis	3.00	0.00	100.00	0
		Semester	6		
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS308	Biostatistics	3.00	0.00	100.00	0
PMS310	Research Methodology	3.00	0.00	100.00	0
PMS348	Specialized Dialysis	3.00	0.00	100.00	0
PMS349	Peritoneal Dialysis	3.00	0.00	100.00	0
PMS350	Complication of Peritoneal Dialysis	3.00	0.00	100.00	0
PMS351	Dialysis Adequacy	2.00	0.00	100.00	0

BS (Paramedics)

Technology: Renal Dialysis

Semester 7					
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS402	Fundamentals of Infection Control	2.00	0.00	100.00	0
PMS404	Epidemiology	2.00	0.00	100.00	0
PMS429	Nutrition on Dialysis	3.00	0.00	100.00	0
PMS430	Nursing Care of Dialysis Patient	3.00	0.00	100.00	0
PMS432	Drug Prescribing in Patient on Dialysis	3.00	0.00	100.00	0
PMS433	Renal Emergency in Intensive Care Unit	3.00	0.00	100.00	0
Semester 8					
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS406	Research Project	6.00	0.00	100.00	0
PMS408	Seminar	1.00	0.00	100.00	0
PMS410	Bioethics	2.00	0.00	100.00	0
PMS431	Death in Dialysis	3.00	0.00	100.00	0

BS (Paramedics)

Technology: Surgical					
		Semester 1			
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS101	Biochemistrv-I	4.00	0.00	100.00	0
PMS102	Human Phvsiology-I	4.00	0.00	100.00	0
PMS103	Human Anatomy-I	4.00	0.00	100.00	0
PMS104	English-I	2.00	0.00	100.00	0
PMS105	Pak Studies	2.00	0.00	100.00	0
PMS106	Computer skills	2.00	0.00	100.00	0
		Semester 2			
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS107	Biochemistrv-II	4.00	0.00	100.00	0
PMS108	Human Phvsiology-II	4.00	0.00	100.00	0
PMS109	Human Anatomy-II	4.00	0.00	100.00	0
PMS110	English-II	2.00	0.00	100.00	0
PMS111	Islamic studies	2.00	0.00	100.00	0
		Semester 3			
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS201	General Pathology-I	3.00	0.00	100.00	0
PMS202	General Pharmacology-I	3.00	0.00	100.00	0
PMS206	Communication Skills	2.00	0.00	100.00	0
PMS207	Medical Microbiology-I	3.00	0.00	100.00	0
PMS215	Surgical Instruments and Equipments	3.00	0.00	100.00	0
PMS216	Quality Assurance and Biosafety	3.00	0.00	100.00	0
		Semester 4			
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %

BS (Paramedics)

Technology: Surgical					
		Semester	4		
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS220	General Pharmacology-II	3.00	0.00	100.00	0
PMS221	General Pathology-II	3.00	0.00	100.00	0
PMS225	Behavioural Sciences	2.00	0.00	100.00	0
PMS227	Medical Microbiology-II	3.00	0.00	100.00	0
PMS230	Diagnostic Imaging	2.00	0.00	100.00	0
PMS240	Surgical Set up and Design	2.00	0.00	100.00	0
PMS241	Surgical posture and Positions	2.00	0.00	100.00	0
		Semester	5		
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS325	Anesthesia Equipments	3.00	0.00	100.00	0
PMS336	Surgical Emergency-I	3.00	0.00	100.00	0
PMS337	Surgical Intensive Care-I	3.00	0.00	100.00	0
PMS338	Surgical First Assistance	3.00	0.00	100.00	0
PMS340	General Surgery	3.00	0.00	100.00	0
PMS341	Epidemiology	2.00	0.00	100.00	0
		Semester	6		
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS308	Biostatistics	3.00	0.00	100.00	0
PMS310	Research Methodology	3.00	0.00	100.00	0
PMS323	Peri Operative Care	3.00	0.00	100.00	0
PMS333	Clinical Operative General Surgery	3.00	0.00	100.00	0
PMS367	Clinical Operative Gynaec Obstetrics	3.00	0.00	100.00	0
PMS368	Diagnostic Procedures	2.00	0.00	100.00	0

BS (Paramedics)

Technology: Surgical					
		Semester	7		
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS423	Clinical and Onaerative Orthopedic Surgerv	3.00	0.00	100.00	0
PMS424	Clinical and Onaerative Pediatric Surgerv	3.00	0.00	100.00	0
PMS425	Clinical and Operative Thoracic Surgerv	3.00	0.00	100.00	0
PMS426	Clinical and Operative Neuro Surgerv	3.00	0.00	100.00	0
PMS427	Endoscopy and Robotic Surgerv	3.00	0.00	100.00	0
PMS428	Clinical and Operative Urology Surgerv	3.00	0.00	100.00	0
		Semester	8		
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS402	Fundamentals of Infection Control	2.00	0.00	100.00	0
PMS406	Research Project	6.00	0.00	100.00	0
PMS451	Pharma Relevant to Surgerv	2.00	0.00	100.00	0

Admissions

Admission Criteria for BS Program

Admission will be opened to both male and female candidates belonging to Khyber Pakhtunkhwa, FATA and PATA who have passed Higher Secondary Certificate Examination (F.Sc Pre-medical) , F.Sc MLT(only for BS MLT) or possessing an equivalent qualification from a recognized board with minimum 50 % marks. A separate test will be conducted for in-service & F.Sc MLT candidates.

Five seats reserved for F.Sc MLT candidates in evening MLT 4years program. If the seats are not filled by FSc MLT candidates then it will be shifted to open merit.

The merit for admission is determined as follows:

	Weight
Adjusted marks obtained in F.Sc or Equivalent examination	50%
Entry Test marks	40%
Marks Obtain in S.S.C examination	10%

EXAMPLE

Adjusted marks obtained in F.Sc. or equivalent level examination 870/1100 or 79.1%

ETEA Entry Test marks 460/800 or 57.5%

S.S.C or Equivalent qualification 650/850 or 76.5 %

The merit of a student will be calculated as follows

Weight for F.Sc = $79.1 \times 0.5 = 39.55$

Weight for Entry Test = $57.5 \times 0.4 = 23.00$

Weight for S.S.C = $76.5 \times 0.1 = 7.65$

Merit Score of the candidate = $a+b+c = 39.55+23.00+7.65 = 70.2$

Note: 10 marks will be deducted from F.Sc marks for each additional attempt.

Note: Eligibility Criteria for in-service candidates BS (04 year program)

Two years post qualification experience as a technician in public sector hospital / institution.

Number and distribution of seats

S.NO	Discipline	Total No of seats	Distribution of seats	Remarks
1a	MLT	45	20= Morning 25= Evening 2=In service morning 5= Fsc MLT evening 1 =Foreign morning 17=open morning 20= open evening	
1b	MLT 2 years BS Condensed program	20	Evening Candidates with 2 years Bsc in MLT All open merit	A minimum of 10 students will be required to start the program
2	Dentistry	20	Morning program 2= In service 1=FATA IN 1= Foreign 16= Open merit	
3	Cardiology	20	Morning program 2= in service 1=FATA IN 1= Foreign 16= Open merit	
4	Anesthesia	20	Morning program 2= In service 1= Foreign 17= Open merit	
5	Radiology	20	Morning program 2= In service 1= Foreign 17= Open merit	
6	Surgical	20	Morning program 2= In service 1= Foreign 1=Baluchistan 16= Open merit	
7	Dialysis	20	Morning program 2= In service 1= Foreign 1=Baluchistan 16= Open merit	
8	Emergency	20	Morning program 2= In service 1= Foreign 1=Baluchistan 16= Open merit	
9	Intensive care	20	Morning program 2= In service 1= Foreign 1=Baluchistan 16= Open merit	
	Total seats All disciplines	225		

Admission to seat of FATA-IN shall be made on the basis of the following priority of obtaining uninterrupted education [not passing exam] within the FATA.

The following criteria of priority shall be applicable to FATA-IN candidates

- a. Class 1 to F.Sc pre medical (both part-I and II).
- b. Class 1 to Matric with science (both 9th and 10th) & F.Sc from anywhere outside FATA.
- c. Class 1 to Middle and Matric & F.Sc from anywhere outside FATA.

In case no candidate is available from the given list of priorities, then admission shall be granted on the basis of merit to FATA out candidates.

Note: If the seats allocated for candidates from Baluchistan, FATA and Foreign countries applicants remain vacant, these vacancies will be converted to open merit seats.

FEE STRUCTURE FOR BS PARAMEDICS PROGRAM

Fee Structure	First Semester	Second Semester	Third Semester	Fourth Semester	Fifth Semester	Sixth Semester	Seventh Semester	Eighth Semester
Tuition fee	38000	38000	39000	39000	40000	40000	41000	41000
KMU Registration Fee	1800	-	-	-	-	-	-	-
Examination Fee as per Rules								

Foreign Reserved Seat Fee:

\$ 1250 (US Dollar) per semester

B. Sc (Hons) MLT 2 years Program (Evening Shift)

Introduction

In 2007, higher education institutes of Pakistan started BS (4 years) MLT Programs. Before that, B. Sc (2 years) MLT Program was running in different institutes recognized by HEC. To fulfill the deficiency and to convert the B.Sc. (2years) to B.Sc. (Hons) degree; HEC provided policy guidelines to convert annual to semester system. According to HEC policy guidelines for implementation of semester system in higher education institutions of Pakistan:

“A 2 year Bachelor Degree under the Annual System is equivalent to 50 credit hours under the semester system. The candidate can get benefit of maximum 50 Credit Hours or less on course to course basis. A Bachelor (Honors) degree program will consist of 124-136 credit hours. Students after 2 year Bachelor degree (annual system) should be enrolled in Bachelor (Honors) Program to complete remaining 74-86 credit hours”.

Therefore, KMU Institute of Paramedical Sciences has started MLT (Hons) Program for those students who have completed their B.Sc. (2 years) MLT Program from any HEC recognized institute since Fall semester 2013.

Program Structure:

- The duration of the B. Sc (Hons) MLT program will be 2 years
- The semester system of examination is followed.
- The program spread over 4 semesters; each of 16 weeks intensive course work.
- Each student has to complete 74-86 Credit hours course work which includes practical work in the MLT specialty.
- There will be maximum of 25 seats.

Admission policy:

Eligibility Criteria:

1. BSc MLT (2 years) from a recognised university
2. Domicile: KPK, FATA, PATA, AJK, GB
3. Both male and female can apply

Selection Criteria

Admission will be opened to both male and female candidates who have passed the B. Sc medical laboratory technology Examination from a recognized university. The merit for admission will be determined as follows:

1. Cumulative percentage of all the BSc 2 years MLT professional exams.
2. Percentage marks in entry test.
3. One mark per year of the professional experience in a recognized institution up to a maximum of 05 marks.

FEE STRUCTURE FOR BS MLT 02 Years program

Fee Structure	First Semester	Second Semester	Third Semester	Fourth Semester
Tuition fee	38000	38000	39000	39000
KMU Registration Fee	1800	-	-	-
Examination fee as Per Rules				

COURSES FOR B.Sc (Hons) MLT

Semester 1	Name of Subject	Credit hours
PMSE-111	LABORATORY MANAGEMENT SKILLS	2+1
PMSE-112	HUMAN PHYSIOLOGY	3+1
PMSE-113	HUMAN ANATOMY	3+1
PMSE-114	GENERAL PHARMACOLOGY-I	2+1
PMSE-115	COMMUNICATION SKILLS	2+0
PMSE-116	MEDICAL LABORATORY INSTRUMENTATIONS	2+1
	Total Credit hours	19

SEMESTER 2	SUBJECT	Cr. Hr
PMSE-121	BEHAVIORAL SCIENCES	2+0
PMSE-122	GENERAL PATHOLOGY	3+1
PMSE-123	CHEMICAL PATHOLOGY	3+1
PMSE-124	HAEMATOLOGY	3+1
PMSE-125	CLINICAL BACTERIOLOGY	2+1
PMSE-126	GENERAL PHARMACOLOGY-II	2+1
	Total Credit hours	20

Semester 3	Subject	Credit Hour
PMSE-231	CLINICAL BIOCHEMISTRY	2+1
PMSE-232	RESEARCH METHODOLOGY	2+1
PMSE-233	BIOETHICS	2+0
PMSE-234	HISTOPATHOLOGY	2+1
PMSE-235	BLOOD BANKING	2+1
PMSE-236	ENGLISH	3+0
PMSE-237	COMPUTER SKILLS	2+1
	Total Credit hours	20

Semester 4	Name of Subject	Credit hours
PMSE-241	SEROLOGY AND IMMUNOLOGY	2+1
PMSE-242	BIOSTATISTICS	2+1
PMSE-243	HUMAN GENETICS AND BIOINFORMATICS	2+1
PMSE-244	ADVANCED CHEMICAL PATHOLOGY	2+1
PMSE-245	RESEARCH PROJECT	6
PMSE-246	SEMINAR	1+0
	Total Credit hours	19

Academic Quality

A student must have attended at least 75% of the classes held in each course module in order to be allowed to appear in the Final Examination of the respective semester. The students having shortage of their attendance will have to complete their deficiency to make them eligible to appear in the exam.



Facilities

Learning Resource Center (LRC)

- IPMS have a well-equipped learning resource centre. It has twenty computers which are connected to Internet with WIFI service.
- HEC digital library and Medline is accessible to all students. It has a large variety of books related to Paramedics.
- LRC can be used for individual reading purposes.
- Students are facilitated by the Computer Lab Manager for preparing the assignment or any sort of work given by their teachers.

Library/Disciplinary Rules and Regulations

Library rules and discipline rules as prescribed by KMU will be followed.

EXAMINATIONS

1. Method of Examination:

- b) There is continuous assessment and evaluation of the students. Midterm examination is conducted by the institute and final examination at the end of the every semester is conducted by Examinations Section.
- c) Internal evaluation: There is regular assessment on daily basis of the students. This includes attendance, class behaviour, assignments, presentations and examination behaviour.
- d) The candidates who pass the 50% of the modules offered in the semester shall be promoted to the next semester.
- e) There is no make-up examination and the students failing the module / semester will have to re-appear in the following semesters with junior class.

1. Registration

Students are registered with Examination Section after the admission.

2. Examination rules and regulations

The examination Rules and Regulations of KMU are applicable.

Co-Curricular Activities& Study Tours

