

# PROSPECTUS 2017-18



## KHYBER MEDICAL UNIVERSITY

Phase-V, Hayatabad, Peshawar,  
Khyber Pakhtunkhwa,  
Pakistan

Tel: +92919217703, 9217696, 9217697.

Fax: +92919217704.

# INTRODUCTION

## 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 is 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*

*2017-18*

**KHYBER MEDICAL UNIVERSITY**

Phase-V, Hayatabad,

Peshawar,

Khyber Pakhtunkhwa, Pakistan

Tel: +92919217703, 9217696, 9217697;

Fax: +92919217704.

## Message from the Acting Vice Chancellor Khyber Medical University

Khyber Medical University was established on 13<sup>th</sup> January, 2007 to provide an ideal environment for the transfer of knowledge, research and innovation to strengthen the health care delivery system benefiting all citizens of Khyber Pakhtunkhwa.

The University has progressed immensely during the decade since its establishment. However, its evolution to the present stature is a saga of hard work, commitment, dedication and integrity. During this period KMU succeeded in developing a culture and environment that invites new students and staff giving them the opportunity to polish and support their talent, creativity and obligations to become visionary leaders across all the relevant fields.



With its eight constituent institutes including a medical and dental college with 45 affiliated institutes the University is producing highly qualified health human resource through a variety of programs at the undergraduate and postgraduate level.

We have the largest number of highly qualified PhD faculty in Basic Medical Sciences and are the pioneers to start PhD Programs in Public Health and Ph.D. in Health Professions Education is in pipeline. It is further to mention that KMU is catering the demands of both public as well as private sector by delivering medical doctors, dental surgeons, Physical Therapists, Nurses, Technologists in paramedical sciences, Public Health Professionals, Educationists in health professions and PhDs in Basic Medical Sciences and Public Health.

In order to provide leadership in prevention and control of non-communicable and communicable diseases, Khyber Medical University has embarked upon establishing Research Institute of Diabetes & Endocrinology and Non Communicable Disease (RIDEDNCD) 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 as an highly sophisticated resource for the scholars and researchers. 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.

Moreover, the tremendous efforts and laborious spadework over the past year has yielded fruit as KMU achieved another milestone by collaborating with World Health Organization, NIH Islamabad and Department of Health KPK to establish a state of the art Public Health Reference Lab (PHRL).

It is worth mentioning that the establishment of PHRL at a Khyber Medical University is a unique experiment of its kind in the whole region. It will be the first and only provincial PHRL after the NIH and is a moment of pride for the University for being entrusted with this profound responsibility to advise the Department of Health KP on health related matters especially diagnosis and prevention of diseases, investigation of epidemics and to act as reference center for the diagnosis and surveillance of disease especially the infectious disease.

With these remarks I congratulate the students joining KMU and wish them an enlightened future ahead.

## CONTENTS

INTRODUCTION: .....	7
KMU VISION.....	7
KMU MISSION.....	7
KMU VALUES .....	7
DEPARTMENT OF ADMISSIONS, ACADEMICS AND QUALITY ASSURANCE.....	9
LIST OF CONSTITUENT INSTITUTES.....	9
KMU FINANCIAL ASSISTANCE / MERIT AWARD.....	11
JOINT ADMISSION COMMITTEE FOR MBBS/BDS .....	12
SCRUTINY & ADMISSION COMMITTEE FOR ALL PROGRAMS EXCEPT MBBS & BDS: .....	13
DISABILITY COMMITTEE .....	14
APPELLATE COMMITTEE.....	14
MIGRATION POLICY:.....	15
TRANSFER OF CREDIT HOURS FROM A PUBLIC SECTOR UNIVERSITY TO KMU .....	15
QUALITY ENHANCEMENT CELL.....	16
OFFICE OF RESEARCH INNOVATION & COMMERCIALIZATION (ORIC) .....	18
KHYBER MEDICAL UNIVERSITY INSTITUTE OF MEDICALSCIENCES, KOHAT.....	23
KHYBER MEDICAL UNIVERSITY INSTITUTE OF DENTAL SCIENCES, KOHAT .....	46
KHYBER MEDICAL UNIVERSITY INSTITUTE OF HEALTH PROFESSIONS EDUCATION & RESEARCH .....	68
KHYBER MEDICAL UNIVERSITYINSTITUTE OF BASIC MEDICAL SCIENCES.....	96
KHYBER MEDICAL UNIVERSITY INSTITUTE OF PUBLIC HEALTH AND SOCIAL SCIENCES .....	107
KHYBER MEDICAL UNIVERSITYINSTITUTE OF PHYSICAL MEDICINE AND REHABILITATION .....	127
KHYBER MEDICAL UNIVERSITYINSTITUTE OF NURSING SCIENCES.....	146
KHYBER MEDICAL UNIVERSITY INSTITUTE OF PARAMEDICAL SCIENCES .....	160

## 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 to be center of excellence in academic and research in basic, clinical and allied health sciences and to serve as repository for comprehensive health policy and practice of evidence based medicine to help implement an efficient and compassionate health care system at national level.

## KMU MISSION

Khyber Medical University nurtures competence through learning and innovation to prepare visionary leaders across all fields to optimize health and health care of individuals and communities.

## KMU VALUES

- Personal honesty, integrity and respect for humanitarian, traditional and cultural values
- Generation, synthesis, application and dissemination of knowledge
- The Medical Education Continuum a system for lifelong learning
- Personal and professional development of faculty and support staff
- Mutual respect and collaboration
- Personal, institutional and professional accountability
- Service to local, regional, national and international communities
- Continuous improvement of our programs through processes of sustainable development.

## KMU'S TOP TEN PRIORITIES

1. Establish a multi-dimensional Comprehensive Health Care Approach encompassing all the four elements of health i.e. prevention, promotion, curative intervention & rehabilitation.
2. Develop a Health Care Team approach at all levels of health care delivery for a comprehensive health care delivery system.
3. Enhance the level of Education in Basic Medical Sciences, Nursing and Allied Health Sciences, And Public Health.

4. Include Behavioral Sciences and Humanities in the Medical Education Curriculum.
5. Define a dynamic, relevant, comprehensive, evidence / outcome based curricula that accommodate healthy extra curricular, literary and cultural activities.
6. Convert to the Semester System of Education.
7. Implement an objective and Continuous System of Evaluation.
8. Create the Health Education Continuum (UGME, PGME, CME, CPD, & CED) with opportunities & commitment for life long learning.
9. Promote evidence based medical practice through Innovation, Scholarship, Partnership & Collaborations and Biomedical Research.
10. Exercise the concepts of Academic Audit, Research Audit & Clinical Audit.

## 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, The KMU has started PhD in **Public Health** program at Institute of Public Health& Social Sciences while Ph.D in Health Profession Education is in pipe line.

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

1. Ph.D. in Basic Medical Sciences (08 Disciplines)
2. Ph.D. in Public Health
3. Ph.D in Health Profession Education (in pipeline)
4. M. Phil leading to Ph. D in Basic Medical Sciences (08 Disciplines)
5. Master in Physical Therapy (MSPT 02 Years program) (02 Disciplines)
6. Master in Public Health (02 years program)(04 Disciplines)
7. Master in Health Profession Education (MHPE 02 years)
8. Master in Health Research (MHR 02 years)
9. Master in Epidemiology & Bio-Statistics (02 Years)
10. Master in Nursing (02 years)
11. Diploma in Family Medicine (in pipeline)
12. MBBS (05 Years)
13. BDS (04 Years)
14. Doctor of Physical Therapy (05 Years)
15. BS Paramedics (04 Years program)(09 Disciplines)
16. BS Nursing (04 Years)
17. BS Occupational Therapy (04 Years)
18. BS in language and Speech Therapy (04 Years)
19. BSc. Nursing Post RN (02 Years) Program
20. Certificate in Health Professions Education (CHPE)
21. Certificate in Health Research (CHR)

### **LIST OF CONSTITUENT INSTITUTES**

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.

Calculation of late of fee fine:-

- i. The late fee fine shall be calculated from the *due date till the date of deposition of semester fee*, if the semester fee is submitted before the end of each respective semester/annum.
- ii. The maximum late fee fine shall be calculated from the *due date till the end date* of each respective semester/annum, even if the fee is submitted after the end of each respective semester/annum

**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.
- Fine once levied will not be condoned.

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

#### **c. FEE FOR REPEATING MODULE:**

Students who intend to repeat the dropped module shall be liable to pay 50% of the semester tuition fee for all category students of the Constituent Institutions of KMU prescribed for the year/semester.

**Fee Refund Policy:** The Fee Refund Policy on account of cancellation of admission for the Constituent colleges/institutions of KMU, according to the Higher Education Commission, Islamabad guidelines are as under:-

**1. Students who are offered admission before the commencement of classes: -**

<b>%age of Fee*</b>	<b>Timeline** for Semester / Trimester System</b>	<b>Timeline for Annual System</b>
Full (100%) fee Refund	Up to 7 <sup>th</sup> day of commencement of Classes	Up to 15 <sup>th</sup> day of commencement of classes
Half (50%) fee Refund	From 8 <sup>th</sup> to 15 <sup>th</sup> day of the commencement of classes	From 16 <sup>th</sup> – 30 <sup>th</sup> day of commencement of classes
No Fee (0%) Refund	From 16 <sup>th</sup> day of commencement of classes	From 31 <sup>st</sup> day of commencement of classes

- I. \* **%age of fee** shall be applicable on all components of fee, except for security and admission charges.
- II. \*\* **Timeline** shall be calculated continuously, covering both weekdays and weekend.

**2. Students who are offered admission after commencement of the classes:-**

<b>%age of Fee*</b>	<b>Timeline** for Semester / Trimester System</b>	<b>Timeline for Annual System</b>
Full (100%) fee Refund	Up to 7 <sup>th</sup> day of offer of admission	Up to 15 <sup>th</sup> day of offer of admission
Half (50%) fee Refund	From 8 <sup>th</sup> to 15 <sup>th</sup> day of offer of admission	From 16 <sup>th</sup> – 30 <sup>th</sup> day of offer of admission
No Fee (0%) Refund	From 16 <sup>th</sup> day of offer of admission	From 31 <sup>st</sup> day of offer of admission

- I. \* **%age of fee** shall be applicable on all components of fee, except for security and admission charges.
- II. \*\* **Timeline** shall be calculated continuously, covering both weekdays and weekend.

## **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 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> 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.

<b>FATA</b>	Bajaur, Khyber ,Kurram, South Waziristan, North Waziristan, Mohmand, Orakzai, FR Peshawar ,FR Kohat, FR Bannu, FR Lakki ,FR D.I. Khan, FR Tank
<b>Selected Areas of Khyber Pakhtunkhwa</b>	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

**6. CHIEF MINISTER EDUCATIONAL ENDOWMENT SCHOLARSHIP SCHEME:** The Govt. of Khyber Pakhtunkhwa has established the Chief Minister's Educational Endowment Fund (CMEEF) for provision of scholarships to the students of Khyber Pakhtunkhwa in undergraduate and graduate programs in various disciplines on the basis of merit-cum-affordability. The scholarship covers all the expenses, including a monthly stipend of Rs. 5000/- per month. The details of allocation and number of scholarship are as under:-

Name of Institute	Discipline	M. Phil	Ph.D
KMU, Peshawar	Anatomy	1	1
	Microbiology	1	1

**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.

**Study Tour:** There will be only one study tour of students for the entire period of study.

**ADMISSION COMMITTEE FOR MBBS & BDS PROGRAMS:** The joint admission committees MBBS and BDS programs offered in the KMU-Institute of Medical Sciences and KMU-Institute of Dental Sciences, Kohat, are as under:-

#### JOINT ADMISSION COMMITTEE FOR MBBS/BDS

1. Principal KMU-IMS, Kohat	Chairman
2. Principal KMU-IDS, Kohat	Member
3. Prof. Dr. Lal Muhammad	Member
4. Prof. Dr. Asghar Kamal	Member
5. Dr. Umar Nasir, Assistant Professor	Member
6. Mr. Safdar Mehmood, OA/Incharge SAS, KMU-IMS	Secretary

## **SCRUTINY & ADMISSION COMMITTEE FOR ALL PROGRAMS EXCEPT MBBS & BDS:**

The scrutiny and admission committees for all programs offered in the Constituent Institutions of KMU are as under:-

### **SCRUTINY AND ADMISSION COMMITTEE FOR ALL PROGRAMS EXCEPT MBBS/BDS**

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

#### **TORS OF THE SCRUTINY COMMITTEE:**

- i. The committee shall scrutinize admission application forms for the respective advertised program in light of the approved eligibility criteria/advertisement and accord weightage (academics, experience, higher qualification, publications, entry test etc.) on the prescribed proforma for preparation of merit list.
- ii. The committee shall complete the assigned task and submit the report (merit list) to the concerned Admission Committee.
- iii. The committee shall be responsible to address the concerns of the applicants regarding their ineligibility (if any) and weightage accorded in the merit.

#### **TORS OF THE ADMISSION COMMITTEE:**

- i. The committee shall evaluate the candidates in light of the eligibility and selection criteria.
- ii. The committee shall conduct test/interview and select suitable candidates for admission.
- iii. The committee shall submit the recommendation of selected candidates for admission to the Competent Authority for approval.
- iv. The committee shall also be responsible to review the admission policy from time to time and suggest changes for consideration and approval by the Competent Authority.

## DISABILITY COMMITTEE

- |   |          |
|---|----------|
| 1. Director (Academics & Admissions)  | Chairman |
| 2. Prof. Dr. Saleem Khattak   | Member   |
| 3. Prof. Dr. Asghar Kamal   | Member   |
| 4. Dr. Haider Darain, Assistant Professor   | Member   |
| 5. Any Co-opted Member(s) to be nominated<br>by the Vice Chancellor related to the speciality | Member   |

**SPECIAL PACKAGE FOR PHYSICALLY HANDICAPPED STUDENTS:** Special package for physically handicapped, disabled and special student in Public sector Universities/Institute of Khyber Pakhtunkhwa duly communicated by Higher Education, Archives and Libraries Department Govt. of Khyber Pakhtunkhwa vide No. SO (UE-I) HE/4-15/2014/4068-87 dated 30.12.2013, is opted as under:-

- i. Age relaxation up to 10 years for taking admission in any institution of Higher Education in Khyber Pakhtunkhwa.
- ii. Waiving Off all institutional charges including tuition fee, hostel fee and utility bills.
- iii. Provision of ramps/special pathways, toilets and other basic facilities, retrofitting in the existing buildings and to ensure the same in future construction.
- iv. Special transport facility for their mobility within the premises of the institution.
- v. Reservation of at least one seat for higher qualification i.e. M. Phil & Ph.D in all public sector universities/institution under the Higher Education Department.

## 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 are 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 / institute within 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 First Semester.

## **GRE SUBJECT TEST (LOCAL) CONDUCTED BY KMU:**

Appearance in the GRE Subject test is mandatory for admission in Ph.D programs. The GRE subject test is ONLY valid for the respective admission session for which the candidate has applied and the result of the GRE subject test will not be considered for any other admission session.

# 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**

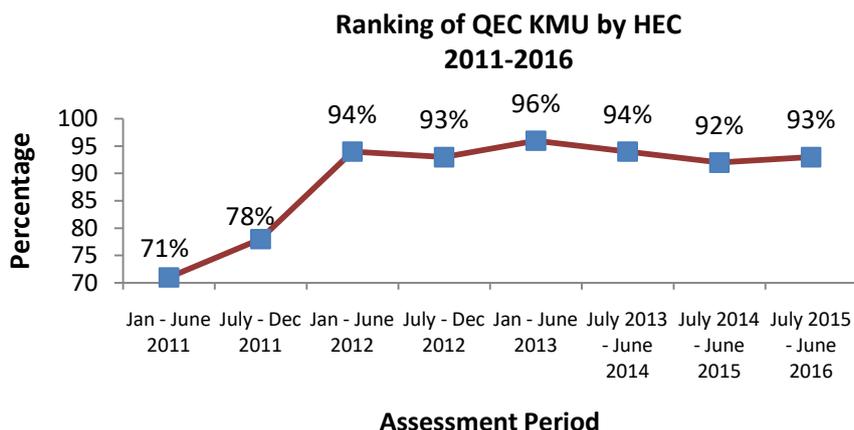
QEC intends to enhance, promote and sustain the quality of university's academic programs and processes to the highest standards at the national, regional and international levels through effective policies, based on informed decisions, continuous monitoring and controlling measures

Quality Enhancement Cell striving to create quality culture since its establishment since 2009. Impact of Quality Enhancement practices is reflected in the academic processes. QEC activities are not only documents or record keeping its each activity impact is a positive change. Programs are assessed and on the basis of those programs major achievements are as under:

- Institutional Board of studies are constituted.
- Course Files by the faculty members at the start of each semester.
- Quality of teaching delivery.
- Quality in research writing skills by the scholars through implementation of Antiplagiarsim policy.
- Capacity building of faculty members of constituents Institutes.
- Improvement in academics through decision making in survey reports.

QEC of KMU has its good repute at National level and one of the prominent QEC for its impact oriented activities. QEC KMU is evaluated by Quality Assurance Agency of HEC annually and it has been ranked in the highest "W" Category for its achievements scoring marks above 90%. QEC KMU has been successful for maintaining its place in "W" Category since 2012.

**Progress of QEC:**



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

QEC KMU conducts the surveys from the students and shares the feedback reports with the competent authority of the University for Improvement in Academic Processes. Detail of Such surveys is given below.

1. Teachers Evaluation Survey ( Feedback on Teachers courses delivery)
2. Students Course Evaluation Questionnaire (Feedback to revise the courses)
3. Research Students Progress Review Form (Feedback on Research Progress )
4. Graduating Students Survey (Feedback from the students at the time of Graduation)
5. Alumni Survey (Feedback after their Graduation to evaluate their Knowledge and Skills relevancy to their specialized field)

# OFFICE OF RESEARCH INNOVATION & COMMERCIALIZATION (ORIC)

The Office of Research Innovation & Commercialization (ORIC) of KMU is the main building block of the university. The activities undertaken by the ORIC, especially under its research capacity development programme, and the enthusiastic response from the academia, played a fundamental role in enhancing the quality of health professionals' education in the province of Khyber Pakhtunkhwa. In the 21<sup>st</sup> century world quality health professionals' education development and research capacity development is simply unthinkable. Evidence-based medical practice, policies and strategies have become a necessity of modern health care systems facing complex present and future health challenges. It is a primary obligation of health academic institutions to create the required research capacity among the different cadres of human resources for health they prepare for their respective health care systems in order to enable the systems to generate the required evidence on their priority health issues. ORIC KMU has been aware of this critical role as a leader of the health research in Khyber Pakhtunkhwa and has spared funds from its strained resources over the last 7 years, to offer free research training to participants from its constituent and affiliate institutions.

KMU has a proven record of securing grants, implementing projects and networking with national and international institutions. The number of postgraduate students and diverse experience and expertise of its faculty makes KMU a formidable force to conceptualize and implement projects.

**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:

The ORIC KMU is playing a central role in developing quality research projects not only for students but also for the faculty. Acting as a secretariat for the Advanced Studies & Research Board, ORIC has so far approved more than 473 quality research projects of postgraduate students from a variety of discipline including basic sciences, public health, physiotherapy and nursing sciences.

Apart from providing facilitation for developing quality research projects on technical grounds, ORIC is also providing ethical support to the developing research projects not only from its constituent & affiliated institutes but also from the whole province. Acting as a secretariat for KMU-Ethics Board, the ORIC has approved more than **274** research projects on ethical grounds.

Quality research is not possible without capacity building of health professionals in basic concepts of research. Realizing the gaps between current knowledge and practice, the ORIC office also offering a certificate course in health research (CHR) to give opportunity to the young faculty and PG students to develop and enhance their skills in health research. In this capacity, ORIC has successfully trained 141 professionals over 12 batches of its CHR program. Moreover, the ORIC is also offering a two year degree program of Masters in Health Research (MHR) which is specially designed and offered for those health professionals who are intending to build their careers in health research. In the last four years, ORIC has successfully completed 3 batches of MHR and 2 batches are currently in progress.

To further institutionalize the research related activities in KMU and provide a platform for researchers throughout the country, ORIC organizes health research conference each year to bring all the collected knowledge & wisdom on one platform and giving an opportunity to the researchers to share their experiences with one another. Conference is organized each year with a special focus on undergraduate and postgraduate students as well as the faculty and starting from 2009, the ORIC has so far successful organized 7 annual health research conferences.

Additionally, the ORIC KMU is dedicated to capacity building of health human resource keeping in mind the current trends of communicable & non communicable diseases in the province of KP. In this connection, the ORIC has successfully done a series of workshops on prevention & management of endemic or potentially epidemic infectious diseases like Dengue Fever.

The ORIC KMU is also keeping a close liaison with the health department of KP province and the health secretariat FATA and building mutual collaboration for a variety of activities. The ORIC conducted a series of workshops for the quality management in healthcare, infection prevention & emergency management for the health human resource of FATA. Keeping an eye on the current trend of Malnutrition in the country and growing percentage of worse indicators, ORIC KMU also conducted a one day symposium on Nutrition and a 4 days international workshop on Nutrition policy in Pakistan to identify the gaps in current policy and practices.

ORIC KMU is also playing a key role in developing linkages with other health institutions and industry to develop a system for an effective research collaboration and exchange of faculty/students. ORIC has a list of linkages with both national and international institutions which includes University of Central Lancashire, University of Aberdeen, University of Chester, Dow University of Health Sciences, Nur Foundation, Abaseen Foundation, Aga Khan University and many more.

Other achievements of ORIC in the last five years include facilitating the development of Islamiat Curriculum, Conducting a series of Bioethics workshops, Clinical updates program for clinicians and medical students, healthcare professionals/community awareness programs for communicable diseases and series of workshops on SPSS, proposal development and medical writing.

Apart from providing technical assistance to local faculty and students for producing quality research projects, the ORIC team at KMU has also utilized its expertise in grant winning for a variety of Research Projects. An overview of these projects includes;

- 1. Project Title:** International workshop on Nutrition Policy to Practice in Pakistan; Exploring the challenges & Research Opportunities.  
**Project Objectives:** This purpose of this workshop is to bring together early career scientists and experienced mentors from the UK and Pakistan to explore and debate the issues relating to malnutrition in both countries, to understand the cultural and socioeconomic barriers to optimal nutrition, to learn from each other and to develop mutually beneficial research links to identify new, sustainable solutions to chronic malnutrition.  
**Granting Agency:** British Council & Higher Education Commission Pakistan  
**Principal Investigator:** Prof. Dr. Mukhtiar Zaman
- 2. Project Title:** Health system and DHQ level hospital readiness and preparedness to respond to any mass emergency situation.  
**Project Objectives:** To assess and preparedness in response to any mass emergency situation in the

National Disaster Management Authority (NDMA) identified Districts of Khyber Pakhtunkhwa and Punjab provinces of Pakistan.

**Granting Agency:** UN World Health Organization

**Principal Investigator:** Dr. Zia Ul Haq, (Associate Professor of Public Health, KMU)

3. **Project Title:** Saving Maternal and Infant Lives with Affordable Technology.  
**Project Objectives:** **1:** To implement behavior change communication through affordable technology, designed for low literacy rural environments, that seeks increases in adoption of hygiene, nutrition, antenatal care, SBA and postnatal and infant care, **2:** To empower rural women through use of affordable technology, enabling them to access healthcare information and solutions in their local areas and local languages, **3:** To test the efficacy of use of affordable technological solution to circumvent barriers of low literacy as an affordable healthcare solution, **4:** To increase adoption of maternal, neonatal and childcare practices to achieve better maternal and child health outcomes.  
**Granting Agency:** Georgia State University USA & Higher Education Commission Pakistan  
**Principal Investigator:** Dr. Hamid Hussain, (Associate Professor Epidemiology, KMU)
4. **Project Title:** Capacity building of Health Professionals in Dengue & Dengue Hemorrhagic Fever.  
**Project Objectives:** **1:** Conducting two Training of Trainers in the clinical case management of Dengue & Dengue Hemorrhagic Fever, **2:** Conducting Nine one day workshops on Dengue Clinical Case Management in 9 selected districts of KP.  
**Granting Agency:** UN World Health Organization  
**Principal Investigator:** Dr. Zeeshan Kibria (Deputy Director ORIC KMU)
5. **Project Title:** Capacity building of Health Professionals from FATA in quality management, infection prevention and emergency management.  
**Project Objectives:** **1:** Conducting one workshop on Quality Management in Health on selected health professionals from FATA, **2:** Conducting two workshop on Infection Prevention on selected health professionals from FATA, **3:** Conducting two workshop on Emergency Management on selected health professionals from FATA.  
**Granting Agency:** GiZ FATA support program  
**Principal Investigator:** Dr. Zeeshan Kibria (Deputy Director ORIC KMU)
6. **Project Title:** Baseline Survey of Brick Klin Community (Merra Baghbanan)  
**Project Objectives:** **1:** To identify demographic variables of Brick Klin Community, **2:** To identify factors affecting health (physical, mental, social) of the brick klin community, **3:** To document their health utilization practices & attitudes.  
**Granting Agency:** Welcome Trust  
**Principal Investigator:** Dr. Zeeshan Kibria (Deputy Director ORIC KMU)
7. **Project Title:** Studying the knowledge, beliefs and practices of unmarried and married adolescent girls with respect to nutrition and on the sources of nutrition information that adolescents have access to and use.  
**Project Objectives:** **1:** To generate evidence concerning the knowledge, beliefs and practices of unmarried and married adolescents with respect to nutrition and on the sources of nutrition information that adolescents have access to and use; **2:** To investigate the positive and negative factors that impact the dietary practices of adolescents at personal, household, community and policy levels; **3:** To explore and assess the nutritional knowledge of Community Midwives and Lady Health Workers and the manner in which they convey (or do not convey) such knowledge to adolescent clients; **4:** To disseminate the evidence generated to Pakistan's Policy-makers with a view to strengthen nutritional aspects of health and other programmes catering to adolescents including, as needed, training programmes of Community Midwives and Lady Health Workers in the area of nutrition.

**Granting Agency:** Research & Advocacy Fund  
**Principal Investigator:** Prof. Dr. Mukhtiar Zaman

8. **Project Title:** Assessment of Community Participation in the Community Midwives Program  
**Project Objectives:** The research project on “Assessment of Community Participation in the Community Midwives Programme” was undertaken to study the role assigned to the community in the programme guiding documents and implementation strategies. Community participation is an essential component of the CPHC approach for achieving the HFA goal. The study aimed to determine both the recognition given to the role of the community in the programme guiding documents and among the programme managers and advisors and the attitude, perceptions and utilization of CMWs by the community.

**Granting Agency:** Research & Advocacy Fund  
**Principal Investigator:** Dr. Tasleem Akhtar, (Ex Consultant R&D-KMU)

9. **Project Title:** Khyber Pakhtunkhwa Demographic and Health Survey (KPDHS)

**Project Objective:**

- a) To provide statistically valid and up-to-date data at district as well as provincial level on a number of socioeconomic indicators in Khyber Pakhtunkhwa.
- b) To secure data needed for the monitoring of progress towards achieving different health goals, thereby providing the basis for future actions

**Granting Agency:** Population Welfare Department, Department of Health, UNFPA  
**Principal Investigator:** Dr. Zia Ul Haq, (Associate Professor of Public Health, KMU)

10. **Project Title:** Rapid Assessment of Human Resources for Health Profiling in KP

**Project Objective:**

- a) To collect and assemble data based on number, qualification, production and distribution of positions.
- b) To identify HRH Training and Continuing professional development programs and institutions in the entire province.
- c) To determine the HRH placement and utilization in the province.
- d) To identify and assess HRH related policies, strategies and plans in the province.

**Granting Agency:** World Health Organization (WHO), Department of Health  
**Principal Investigator:** Dr. Zia Ul Haq, (Associate Professor of Public Health, KMU)

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

- Developing Clinical Trials Unit in KMU
- Starting 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**



**KDA, Kohat  
Tel: 0922-9260325. Fax: 0992-9260365**

## INTRODUCTION

Khyber Medical University Institute of Medical Sciences Kohat was conceived and realized by Kohat University of Science and Technology (KMU). On the directions of the then Chancellor KMU / Governor KPK, Syed Iftikhar Hussain Shah, the KMU syndicate took a bold decision in 2005 to start the first ever Institute of Medical Sciences. It speaks the volume of zeal with which the KMU wants to serve the people. The Inauguration of KIMS was performed on Thursday April 6, 2006 by the then Governor KPK Mr. Khalil-ur-Rehman.

Khyber Medical University Institute of Medical Sciences Kohat (KIMS) was shifted to Khyber Medical University as a constituent Institute on 25.11.2011 vide Govt. of Khyber Pakhtunkhwa Health Department Notification No. SOH/3-3/KMU dated 25.11.2011.

The Institute is recognized by PMDC on permanent basis. KIMS had future vision of starting Dental section and this dream is fulfilled by starting classes. Nursing education, paramedics and post graduate education are plans for the near future.

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



Prof. Dr. Salim Khattak,  
Principal

**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 forms to be downloaded from web site of KMU ([www.kmu.edu.pk](http://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. In correction formation or suppression of facts in application form shall entail refusal of admission.
8. A student convicted of any offence and/ or having served as 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 web site ([www.kmu.edu.pk](http://www.kmu.edu.pk)) on the schedule dates as mentioned in the admission advertisement.
10. Admission will be given after the deposition of prescribed fees and medical fitness certificate.
11. Candidate 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 he/she pay 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.

**DISTRIBUTION OF SEATS**

**A total of 100 seats in MBBS are offered in KMU-IMS Kohat. The distributions of these seats are as follow:-**

<b>PROGRAM (MBBS)</b>	
<b>Allocation</b>	<b>No. of Seats</b>
Subsidized (Open Merit) KP, PATA, FATA	<b>72</b>
Subsidized (FATA) IN	<b>03</b>
Semi Subsidized (Open for all KP, FATA, PATA)	<b>25</b>
<b>Total</b>	<b>100</b>

**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-I N** seats will be made purely on the basis of **interse merit** among the contesting **FATA-IN** candidates.

- ii. Admission of FATA candidates 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 seats of **FATA-IN** shall be made on the basis of the following priority of obtaining un interrupted 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 9<sup>th</sup> and 10<sup>th</sup>) & 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.

### **ELIGIBILITY CRITERIA FOR ADMISSION**

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

#### **1. QUALIFICATIONS:**

The candidate's applying for admission against any category of seat must have passed the F.Sc. (Pre-Medical) examination from any Board of Intermediate and Secondary Education in Pakistan in 1<sup>st</sup> 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 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> and 12<sup>th</sup> 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 ETEA KP 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 fulfill 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
SSC or equivalent level examination	10%
Adjusted marks in F.Sc or equivalent examination	40%
Entrance Test	50%

Example:

A candidate has obtained marks:

- i. SSC or 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 follow:

Examination		Weightage		Factor Marks
a. SSC	=	$82.85 \times 0.1$	=	8.28
b. F.Sc	=	$83.63 \times 0.4$	=	33.45
c. Entrance Test	=	$47.50 \times 0.5$	=	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:** When ever 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:

- i. It is found at any stage of MBBS/BDS course that the candidate was not entitled for admission according to the KIMS admission policy.
- ii. Candidate is found medically unfit at any stage of MBBS/BDS course.
- iii. Candidate fails to report for admission and fails to deposit the fee within due period.
- iv. Any document, information provided by a candidate is found false/fake or fabricated at any stage of MBBS/BDS course.
- v. 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 web site ([www.kmu.edu.pk](http://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 the 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

- i. Secondary School Certificate issued by the concerned board (not school)/equivalence certificate.
- ii. 02copies of Detailed Marks Certificate of F.Sc on the basis of which admission is sought.
- iii. An equivalence certificate from the IBCC, Islamabad, if the qualifying certificate is from an Institute abroad.
- iv. 01copy 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.
- v. 01copy 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].
- vi. 02Copies of Domicile certificate of the candidate.
- vii. 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 domicile certificate of the brother may be submitted. A guardian ship certificate shall also be submitted in such cases [specimen of guardian ship 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 Head master/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. In complete 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 any way. 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 admission shall be cancelled forth with 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**

The members of the joint admission committee are as under:-

#### **JOINT ADMISSION COMMITTEE for MBBS/BDS**

1. Principal KMU-IMS, Kohat	Chairman
2. Principal KMU-IDS, Kohat	Member
3. Prof. Dr. Lal Muhammad	Member
4. Prof. Dr. Asghar Kamal	Member
5. Dr. Umar Nasir, Assistant Professor	Member
6. 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 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 Joint 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 he/she have 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, these 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 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 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 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.	Anatomy	Dr.AbdulSahibKhan	MBBS,FCPS	Professor
		Dr.SohailAziz	MBBS,MCPS,FCPS	Assoc:Professor
		Dr. Muhammad Kabir Khan Afridi	MBBS	Lecturer
		Dr. Abdul Mateen	MBBS	Lecturer
		Dr. Nadra Hameed	MBBS	Demonstrator
2.	Biochemistry	Dr.Asmat Shaheen	BDS,MPhil	AssistantProfessor
		Dr. Muhammad Waqas Luqman	BDS, MPhil	Assistant Professor
		Dr. Fozia	MBBS	Lecturer
		Dr. Aneela Mehr	MBBS	Lecturer
3.	Physiology	Dr Mohammad Bashir	MBBS,FCPS	Professor
		Dr. Muhammad Haris Ramzan	MBBS, M.Phil	Assistant Professor
		Dr. Munazza Khan	MBBS, M.Phil	Assistant Professor
		Dr. Safia Bibi	MBBS	Lecturer
		Dr Ghazala Shaheen	MBBS	Lecturer
		Dr. Zain Ul Abideen	MBBS, M.phil	Assistant Professor
		Dr. Syeda Huma Khizar	MBBS	Demonstrator
4.	Pathology	Dr.Aziz Marjan	MBBSM.Phil	Professor
		Dr. Tahira Atta	MBBS, M.Phil	Assistant Professor
		Dr. Aisha Ayub	MBBS, M.Phil,MHPE, (patho),PG Dip	Assistant Professor
		Dr. Fareeha Naseer Syed	MBBS,Fcps,(Histo patho)	Assistant Professor
		Dr. Nowshad Asim	MBBS, M.Phil	Lecturer
		Dr. Noor Ul Amin	MBBS	Lecturer
		Dr. Aameena Shahi	MBBS	Demonstrator
5.	Pharmacology	Dr.MohammadSajid	MBBS,FCPS	AssociateProfessor
		Dr.Mohammad Ashraf	MBBS,FCPS	AssistantProfessor
		Dr. Amjad Mustafa	MBBS, M.Phil	Assistant Professor
		Dr. Muhammad Akbar Khan	MBBS	Lecturer
		Dr. Muhammad Soban	MBBS	Demonstrator
		Mr. Muhammad Usman Amin	MS.Pharma,phD	Pharmaceutical Chemist
		Zakia Subhan	MBBS	Lecturer
6.	Forensic Medicine	Dr. Khurram Saidal	MBBS	Lecturer
		Dr. Younas Khan	MBBS	Lecturer
7.	Community Medicine	Dr.UmarHayat	MBBS,MPH	Associate Professor
		Dr. Aamir Abbas	MBBS	Assistant Professor
		Dr. Syed Jawad Hussain	MBBS	Demonstrator

8.	Medicine	Dr.Asghar Kamal	MBBS,FCPS	Professor
		Dr.Akhtar Sherin	MBBS,FCPS	Professor (In-charge) College Magazine & Journal
		Dr. Syed Fahim Shah	MBBS,FCPS	Professor
		Dr. Arif Mumtaz	MBBS, Fcps	Assistant Professor
9.	Surgery	Professor Dr. Salim Khattak	MBBS, FCPS	Principal/Chief Executive
		Dr.Mohammad Tahir Bangash	MBBS,FCPS,FRCS(UK)	Professor
		Dr.Fazal Ahmad	MBBS,FCPS	Professor
		Dr. Imtiaz Ahmad	MBBS, FCPS	Assistant Professor
10	Gynae/Obs	Dr.Musarrat Jabeen	MBBS,FCPS	Professor
		Dr.Fouzia Gul	MBBS,DGO,FCPS	Professor
		Dr.Noor Nasir Khattak	MBBS,FCPS	Associate Professor
		Dr. Heema	MBBS ,FCPS	Assistant Professor
		Dr. Razia Bibi	MBBS ,FCPS	Assistant Professor
		Dr. Beenish Samreen Hamid	MBBS, FCPS	Assistant Professor
11	Radiology			
12	Pediatrics	Dr. Syed Sajid Munir	MD (Romania), FCPS	Assistant Professor
13	Ophthalmology	Dr.Lal Muhammad	MBBS,FCPS	Professor
		Dr. Mohammad Alam	MBBS,FCPS,I.C.O	Associate Professor
		Dr. Muhammad Idris	MBBS,FCPS,	Assistant Professor
14	ENT	Dr.Arshad Farzooq	MBBS,FCPS	Professor
		Dr. Muhammad Salim Khan	MBBS,FCPS	Assistant Professor
15	Psychiatry	Dr. Shajaat Ali Khan	MBBS,FCPS	Professor
16	Orthopedics	Dr Tauseef Raza	MD, PhD	Assistant Professor
17	Cardiology	Dr. Muhammad Asif Iqbal	MBBS,FCPS	Assistant Professor
18	Dermatology	Dr. Muhammad Uzair	MBBS	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 nine 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 & Pakistan Studies	25	Hours
5.	Behavioral Sciences	05	Hours
6.	Pathology	15	Hours
7.	Community Medicine	25	Hours
8.	Medicine including Psychiatry & Dermatology	25	Hours
9.	Paediatrics Medicine	05	Hours
10.	Surgery including, Orthopaedics & Anaesthesia	25	Hours

11.	Obstetrics&Gynaecology	10	Hours
12.	Ophthalmology(Eye)	05	Hours
13.	Otorhinolaryngology(ENT)	05	Hours
14.	Radiology	05	Hours
<b>SECOND YEAR MBBS HOURS 2ND PROF</b>			
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

<b>THIRD YEAR MBBS HOURS 3RD PROF</b>			
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
<b>FOURTH YEAR MBBS HOURS 4TH PROF</b>			
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
<b>FINAL YEAR MBBS HOURS 5TH PROF</b>			
1.	MedicineincludingPsychiatry& Dermatology	360	Hours
2.	Paediatrics Medicine	70	Hours

3.	SurgeryincludingOrthopaedics&Anaesthesia	360	Hours
4.	Obstetrics&Gynaecology	130	Hours
5.	Radiology	15	Hours

Note: The examination in the subject of EYE and ENT will be shifted from Final year to 4<sup>th</sup> year for the students admitted in session 2008-09.

<b>TOTAL HOURS</b>			
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:

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 2<sup>nd</sup> 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 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).
7. Ineligibility due to shortage of attendance shall not affect the application of this clause.
8. Has paid the requisite fees for the examination to the KMU and cleared all the college/ hostel dues.
9. Any student who fails to clear the 2<sup>nd</sup> Professional MBBS/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 KIMS. Ineligibility due to shortage of attendance shall not affect the application of this clause.

- i. Any student who fails / is detained in a 1<sup>st</sup> and 2<sup>nd</sup> 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.
10. Any student who fails in any medical subject(s) of 1<sup>st</sup> Professional and 2<sup>nd</sup> 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 3<sup>rd</sup>, 4<sup>th</sup> and 5<sup>th</sup> Professional examinations.
  11. A student who fails in one or more subject 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.
  12. A student, who is eligible to appear in the examination but did not take examination for whatever reason, shall be considered to have failed.
  13. Only two examinations, one annual and one supplementary are allowed in any one academic year. No three or extra supplementary/annual examination is permitted.
  14. 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/BDS examination 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, invogue, of Pakistan Medical and dental Council which may be changed from time to time.
  16. 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.
  17. 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 MBBS SUBSIDIZED CATEGORY

S. No.	Fee Structure	First Year	2nd Year	3rd Year	4th Year	5th Year / Final Year
1.	Tuition Fee	130000	110000	110000	110000	110000
2.	PMDC Reg Fee	3000	--	--	--	--
3.	Exam Fee	As per examination rules				

**Note: Fee for MBBS Semi Subsidized Category Rs. 500,000/-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 from the college role 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 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 with in a period of six months of the date of leaving the college, then it shall not be refund able 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.

## 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
- Sport society
- Social Welfare Society
- Hiking Club



## DRESS CODE

Students are expected to appear in decent and sober out look. 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 (no pajama) and footwear with no high heel alongwith white dupatta/Shaal, Black shoes and white long overall below knee length and for winter Maroon color seater/coat is allowed. If any student uses Abaya or Naqab, it shall be in conformity with Uniform.

## MALE STUDENT'S DRESS CODE

White Shalwar Kameez with white overall where necessary alongwith Peshawari Black Chappal or white shirt with full sleeves with gray pant alongwith black shoes. No tight jeans and half sleeves, and for winter Maroon color sweater/coat is allowed.

## PROCTORIAL BOARD EXPANSION:

It was decided that the inclusion of 02 male and 02 female students from each class may be included in the Proctorial board on the following criteria:-

- i. Class attendance not less than 80%
- ii. No supplementary in the academics

The above mentioned criteria will be applicable for the selection of CR and GR.

**CELL PHONE USE:**

Use of cell phones in the premises of the college is strictly prohibited other than the academic activities. Mobile set with camera is strictly forbidden all the time. If any student found using cell phone during the working hours, strict disciplinary action shall be initiated.

**STUDENT COMPLAINT CELL:**

Prof. Dr. Lal Muhammad has been nominated as a Head of Complaint Cell to facilitate the students regarding their issues.

Note: The meeting of Proctorial board will be arranged in two month.

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

**KHYBER MEDICAL UNIVERSITY**  
**UNDERTAKING / AGREEMENT [1]**

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

I Mr./Miss. \_\_\_\_\_ Son/Daughter/Wife of \_\_\_\_\_  
Resident of \_\_\_\_\_

Do here by solemnly undertake to abide by the following:

- i. That I have read the Prospectus of KIMS and here by 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 from 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 maintained entity as a student of the institute by wearing Institute uniform. I shall participate fully and whole heartedly 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 wrong doers.
- x. Further, I do here by solemnly undertake to refrain from:-
  - a. Doing anything which may cause injury or insult to head, teacher, officers and other r staff of institution.
  - b. Holding a gathering, meeting and taking out procession in any part of Campus other than areas specified for the purpose.
  - c. All kinds of unfair means in examination.
  - d. Allowing or abetting the entry to the premises of the Instituteof expelled students, anti-social elements or others whose presence in the Campus could cause conflict amongst the students.
  - e. Bringing in to 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 with in 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 expel 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 (oneLac) 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 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 nextpage  
**KHYBER MEDICAL UNIVERSITY**  
**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 \_\_\_\_\_ here by fully endorse  
the under taking 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 my self 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 under taking 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

**KHYBER MEDICAL UNIVERSITY  
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: \_\_\_\_\_

**KHYBER MEDICAL UNIVERSITY**  
**CERTIFICATE OF LOCATION OF EDUCATIONAL INSTITUTES**  
(To be submitted by the candidates applying against FATAIN 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.ScPart-I(11)			
F.ScPart-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

**KHYBER MEDICAL UNIVERSITY  
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 \_\_\_\_\_ here by solemnly affirms that I will complete the whole tenure of my study of five years MBBS Program inKIMS. I will not seek admission in any other medical institute nor will I reappear in ETEA test at any stage of my study tenure. I 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.

Signatureof Student: \_\_\_\_\_

Nameof Student: \_\_\_\_\_

Father'sNameof thestudent: \_\_\_\_\_

CNIC#ofthestudent: \_\_\_\_\_

PresentPostalAddress: \_\_\_\_\_

Permanent Address: \_\_\_\_\_

Witness-1 Signature: \_\_\_\_\_ Witness-2 Signature: \_\_\_\_\_

Name: \_\_\_\_\_ Name: \_\_\_\_\_

CNICNo: \_\_\_\_\_ CNICNo: \_\_\_\_\_

Father'sName: \_\_\_\_\_ Father'sName: \_\_\_\_\_

Present/Postal Address: \_\_\_\_\_ Present/Postal Address: \_\_\_\_\_

Permanent PostalAddress: \_\_\_\_\_ Permanent Address: \_\_\_\_\_

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

PICTURE GALLERY



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



**KDA, Kohat  
Tel: 0922-513119. Fax: 0992-9260365**

## INTRODUCTION

The idea of Khyber Medical University Institute of Dental Sciences Kohat, to be there in southern districts of Khyber Pakhtoonkhwa (KP), was conceived by the competent authority of Khyber Medical University (KMU). Launching the dental wing of KIMS in January, 2013, with 50 students intake, was with the vision to provide oral and dental health facilities to the community in settled districts 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 entity, named as Khyber Medical University Institute of Dental Sciences (KIDS) Kohat.



Currently it is launched in the ground floor of new FEFA building, Kothal Town Kohat. Construction of its purpose built premises along with that of the KIMS and residential area for the faculty and students has been launched in Kothal Town Kohat. The construction of academic block with dental teaching hospital is in progress over 120 kanals.

KIDS have been recognized on March 12, 2015 by Pakistan Medical & Dental Council Islamabad. It has fully independent administrative management as well as faculty staff for the academics and health delivery arrangements.

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 teaching Hospital and the other in Liaqat Memorial Women & Children Hospital Kohat, which are located within the sphere of one kilometer.

For teaching of basic sciences, KIDS has shared medical faculty of KIMS being nominated for students. To shift students from KIDS to KIMS or Wards, a shuttle bus service of KIDS is available both way in and day out facility along with general transport route round the training time and without any major problem.

## **Program Objectives:**

**Knowledge:** At the end of 4 years BDS program dental graduate should be able to:

1. Achieve the knowledge of normal human structures and functions at the molecular, genetic, cellular, tissue, organ-system and whole-body level.
2. Analyze the difference between normal and abnormal oral, dental and maxillofacial structures.
3. Integrate collected clinical information to carry out appropriate diagnostic and treatment plans for patients across the broad spectrum of acute and chronic conditions successfully
- 4- Diagnose the common oral, dental and maxillofacial diseases through history, clinical examination and laboratory investigation.
- 5-Refer patients having systemic problems to the concerned medical and dental specialties.
- 6-Make strategies to prevent community based Oral and dental problems

### **Psychomotor skills for Patients care**

At the end of 4 years BDS Program, dental graduate should be able to:

1. Apply scientific methods to the practice of dentistry for the identification of problems, data collection, hypothesis formulation, and the application of deductive reasoning to problem solving, clinical reasoning, and decision-making.
2. Prescribe medicines necessary for the treatment of common oral& dental diseases.
3. Treat common oral, dental and maxillofacial diseases.
4. Perform basic risk assessments and formulate plans to promote patient wellbeing.

### **Interpersonal Communication Skills**

At the end of 4 years BDS Program, dental graduate should be able to:-

1. Counsel and educate patients and their families effectively.
2. Design diagnostic and treatment options in a manner that will help the participation of patients and their families in shared decision-making.
3. Communicate with members, including both dental and non-dental professionals, of the health care team efficiently.

### **Professionalism**

At the end of 4 years BDS Program, dental graduate should be able to:

1. Exhibit high standards of professionalism and demonstrate an awareness of potential conflicts of interest.
2. Apply legal and ethical principles governing the doctor -patient relationship to interactions with patients and their families.
3. Act in the patient's best interest and serve as a patient advocate.
4. Work collaboratively and effectively in inter-professional team

## 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 web site of KMU ([www.kmu.edu.pk](http://www.kmu.edu.pk)). The form must reach the office of the Principal KIMS on or before the due date with in official duty hours.
5. The fee and subscription given in this prospectus are payable by all the students of KIDS. 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. In correct information or suppression of facts in application form shall entail refusal of admission.
8. A student convicted of any offence and/ or having served as entence 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/KIDS Notice Board and KMU web site ([www.kmu.edu.pk](http://www.kmu.edu.pk)) on the schedule dates as mentioned in the admission advertisement.
10. Admission will be given after the deposition of prescribed fees and medical fitness certificate.
11. Candidate selected for admission shall be required to finalize the admission requirements i.e. fees/dues etc with in 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 he/she pay the fee and dues.
13. Absence from classes for four consecutive weeks from the date of admission with out any genuine reason shall entail ancillation of admission.

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

<b>Program (BDS)</b>	
<b>Allocation</b>	<b>No. of Seats</b>
Subsidized (Open Merit) KP,PATA,FATA	<b>37</b>
Subsidized (FATA- IN)	<b>01</b>
Semi Subsidized (Open for all KP,FATA,PATA)	<b>12</b>
<b>Total</b>	<b>50</b>

**Note:**

1. Subsidized open merit seats are open to applicants possessing valid domicile certificate of KP, PATA and FATA.
2. 01 seat is reserved for FATA-IN candidates possessing valid FATA domicile certificate.
  - I. Admission to **FATA-IN** seat will be made purely on the basis of **interse merit** among the contesting **FATA-IN** candidates.
  - II. Admission of FATA candidate to KIDS 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 an interrupted 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 9<sup>th</sup> and 10<sup>th</sup>) & F.Sc from any where outside FATA.
  - c. Class 1 to Middle and Matric & F.Sc from any where 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.

**ELIGIBILITY CRITERIA FOR ADMISSION & SELECTION CRITERIA**

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

**5. QUALIFICATIONS:**

The candidate's applying for admission against any category of seat must have passed the F.Sc. (Pre-Medical) examination from any Board of Intermediate and Secondary Education in Pakistan in 1<sup>st</sup> 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:

- vii. 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.
- viii. The equivalence certificate must be attached with the application form before the final closing date.
- ix. 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.
- x. The candidate has obtained marks equal to unadjusted 60% of F.Sc. total marks according to the formula laid down by the IBCC, Islamabad.
- xi. 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 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> and 12<sup>th</sup> 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.
- xii. 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:**

- i. The candidate must have appeared in the entrance test of ETEA KP 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 can not claim admission against any seat unless he/she fulfill other criteria specified in the admission policy.

**7. 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 can not 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%
EntranceTest	50%

Example:

A candidate has obtained marks:

- i. SSC or Equivalent qualification 870/1050=82.85%
- ii. 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 follow:

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 KIMS/KIDS, Kohat.

Note: When ever 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:

- i. It is found at any stage of MBBS/BDS course that the candidate was not entitled for admission according to the KIMS admission policy.
- ii. Candidate is found medically unfit at any stage of MBBS/BDS course.
- iii. Candidate fails to report for admission and fails to deposit the fee with in due period.
- iv. Any document, information provided by a candidate is found false/fake or fabricated at any stage of MBBS/BDS course.
- v. 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 web site ([www.kmu.edu.pk](http://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 the 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

- i. Secondary School Certificate issued by the concerned board (not school)/equivalence certificate.
- ii. 02copies of Detailed Marks Certificate of F.Sc on the basis of which admission is sought.
- iii. An equivalence certificate from the IBCC, Islamabad, if the qualifying certificate is from an Institute abroad.
- iv. 01copy 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.
- v. 01copy 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 in struction for the CNIC of the candidate].
- vi. 02Copies of Domicile certificate of the candidate.
- vii. 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 domicile certificate of the brother may be submitted. A guardian ship certificate shall also be submitted in such cases [specimen of guardian ship 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 Head master/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-Qurancertificatefrom aRegisteredMadrassaifthecandidateclaimstobeHafiz-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 KIDS as per specimen in the Prospectus.

## WARNINGS

1. In complete 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 any way. Any certificate issued after the dates fixed for final merit list display shall not be entertained.
3. If any certificate submitted by the candidateis found false or forged during his/her study period, his/her admission shall be cancelled forth with 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:** The members of joint admission committee are as under:-

#### **JOINT ADMISSION COMMITTEE FOR MBBS/BDS**

1. Principal KMU-IMS, Kohat	Chairman
2. Principal KMU-IDS, Kohat	Member
3. Prof. Dr. Lal Muhammad	Member
4. Prof. Dr. Asghar Kamal	Member
5. Dr. Umar Nasir, Assistant Professor	Member
6. 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.

3. 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.
4. 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 Vice Chancellor 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 KIMS.

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 Joint 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 he/she have paid the fee and dues. All due 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 showcause 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, these 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/KIDS will have to submit an affidavit to the effect that he/she will complete MBBS/BDS program in KIMS/KIDS and all the original documents will be retained by the college till the completion of his/her study in KIMS/KIDS.

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/dental college and not from a private medical/dental 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/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 any way.
9. The migrating student must clear all the dues of KIDS 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.	Name of Department	Name of Faculty	Designation	Qualification
1.	Oral and Maxillofacial Surgery	Dr. Saddique Aslam	Associate Professor	BDS, FCPS
		Dr. Shahid Ali Shah	Lecturer	BDS
2.	Orthodontics	Dr. Tasneem Alam	Demonstrator	BDS
		Dr. Ayesha Iftikhar	Demonstrator	BDS
3.	Prosthodontics	Dr. Farooq Taj	Assistant Professor	BDS, FCPS
		Dr. Samiullah	Demonstrator	BDS
4.	Operative Dentistry	Dr. Syed Jaffar Raza	Lecturer	BDS
		Dr. Zaheer Babar	Demonstrator	BDS
5.	Community Dentistry	Dr. Sabahat Ullah	Assistant Professor	BDS, MSC
		Dr. Asim Masood	Demonstrator	BDS
6.	Science of Dental Material	Dr. Hasham Khan	Assistant Professor	BDS, M.Phil
7.	Oral Pathology	Dr. Syed Umar Farooq	Assistant Professor	BDS, M.Phil
		Dr. BiBi Maryam	Lecturer	BDS
8.	Oral Biology and Tooth Morphology	Dr. Umar Nasir	Assistant Professor	BDS, FCPS
		Dr. Maryam Imran	Demonstrator	BDS
9.	Periodontology	Dr. Madiha Riasat	Assistant Professor	BDS, MSC
		Dr. Mussarat Hussain	Demonstrator	BDS
10.	Oral Medicine	Dr. Shafiq Ahmad	Demonstrator	BDS
11.	Anatomy	Dr. Sohail Aziz	Associate Professor	MBBS, FCPS
		Dr. Aisha Sadaf	Demonstrator	BDS
12.	Physiology	Dr. Haris Ramazan	Assistant Professor	MBBS, M. Phil
		Dr. Urooj Yahya	Demonstrator	BDS
13.	Biochemistry	Dr. Asmat Shaheen	Assistant Professor	BDS, M. Phil
		Dr. Muhammad Shoaib	Demonstrator	BDS
14.	General Medicine	Dr. Asghar Kamal	Professor	MBBS, FCPS
		Dr. Faheem Shah	Professor	MBBS, FCPS
		Dr. Akhtar Shreen	Professor	MBBS, FCPS
15.	General Surgery	Dr. Fazal Ahmad	Professor	MBBS, FCPS,
		Dr. Sarfaraz Khan	Assistant Professor	MBBS, MS
16.	General Pathology	Dr. Tahira Atta	Assistant Professor	MBBS, M. Phil
17.	Pharmacology	Dr. Muhammad Ashraf	Associate Professor	MBBS, FCPS
18.	Islamiat	Dr. Fazle Umar	Lecturer	Ph. D
19	Pakistan Studies	Mr. Muhammad Yasin Khan	Lecturer	M.A.

**Teaching Facilities:** Classrooms, Labs, Dental Units, Phantom Head Lab, Computer Lab, Digital Library along with shelves, Prostho Lab and OPG+CEPH and x-rays machine. Different wards (medical, surgical, maxillofacial), multimedia and Audio visual conferences.

## 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)

	<b>Subjects</b>	<b>Lecture Hours</b>	<b>Practical hours</b>	
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	
	<b>Total</b>	<b>300</b>	<b>900</b>	<b>=1200</b>

### SECOND YEAR BDS HOURS (2nd Prof)

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

### THIRD YEAR BDS HOURS (3rd Prof)

	<b>Subjects</b>	<b>Lecture Hours</b>	<b>Practical hours</b>	
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	
	<b>Total</b>	<b>330</b>	<b>920</b>	<b>=1250</b>

### FINAL YEAR BDS HOURS (Final Prof)

	<b>Subjects</b>	<b>Lecture Hours</b>	<b>Practical hours</b>	
1.	<b>Prosthodontics</b>			
	Complete Dentures	40		
	Fixed Prosthodontics	20		

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

#### 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 1<sup>st</sup> 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 2<sup>nd</sup> 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 1<sup>st</sup> and 2<sup>nd</sup> 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 with out promotion would be of no legal effect.
10. Any student who fails in any medical subject(s) of 1<sup>st</sup> Professional and 2<sup>nd</sup> 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 3<sup>rd</sup> and 4<sup>th</sup> Professional examinations.
11. A student who fails in one or more subject 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.
12. A student, who is eligible to appear in the examination but did not take examination for whatever reason, shall be considered to have failed.
13. Only two examinations, one annual and one supplementary are allowed in any one academic year. No three or extra supplementary/annual examination is permitted.
14. 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 BDS examination shall be entitled to the degree of 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 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.
17. 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.	Tuition Fee	130000	110000	110000	110000
2.	PMDC Registration Fee	3000	--	--	--
3.	Exam Fee	As per examination rules			

**Note: FEE FOR BDS SEMI SUBSIDIZED CATEGORY RS.500,000/- 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 role and readmission will only be given after payment of readmission fee in addition to the original fee and other subscription.
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 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.

## 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 KMU-IDS.

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

**DRESS CODE**

Students are expected to appear in decent and sober out look. To achieve this, the following will be the dress code. It must be followed by all students during lectures, practical, tutorials, seminars, out door and in door hospital duty and in all Institute functions. Uniform is compulsory when ever 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 (no pajama) and footwear with no high heel alongwith white dupatta/Shaal, Black shoes and white long overall below knee length and for winter Maroon color seater/coat is allowed. If any student uses Abaya or Naqab, it shall be in conformity with Uniform.

**MALE STUDENT'S DRESS CODE**

White Shalwar Kameez with white overall where necessary alongwith Peshawari Black Chappal or white shirt with full sleeves with gray pant alongwith black shoes. No tight jeans and half sleeves, and for winter Maroon color sweater/coat is allowed.

**PROCTORIAL BOARD EXPANSION:**

It was decided that the inclusion of 02 male and 02 female students from each class may be included in the Proctorial board on the following criteria:-

- i. Class attendance not less than 80%
- ii. No supplementary in the academics

The above mentioned criteria will be applicable for the selection of CR and GR.

**CELL PHONE USE:**

Use of cell phones in the premises of the college is strictly prohibited other than the academic activities. Mobile set with camera is strictly forbidden all the time. If any student found using cell phone during the working hours, strict disciplinary action shall be initiated.

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

**KHYBER MEDICAL UNIVERSITY**  
**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 here by solemnly undertake to abide by the following:

- i. That I have read the Prospectus of KIDS and here by agree to conform to all provisions of the rules and the statutes/rules as may here after 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 from 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 maintained entity as a student of the institute by wearing Institute uniform. I shall participate fully and whole heartedly 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 wrong doers.
- x. Further, I do here by solemnly under take to refrain from:-
  - l. Doing any thing 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 areas 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 amongst the students.
  - p. Bringing in to 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 with in the University/ Institute premises.

- r. Using or occupying any room or part of any building of the Institution with out 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 out side 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 caseof 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/-(TwoLac) 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 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  
**KHYBER MEDICAL UNIVERSITY**  
**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 \_\_\_\_\_ here by 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 my self 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: \_\_\_\_\_  
PresentPostalAddress: \_\_\_\_\_  
\_\_\_\_\_

Witness-1  
Signature: \_\_\_\_\_  
Name: \_\_\_\_\_  
CNICNo: \_\_\_\_\_  
Father'sName: \_\_\_\_\_  
Present/Postal Address: \_\_\_\_\_  
\_\_\_\_\_  
Permanent Postal Address: \_\_\_\_\_  
\_\_\_\_\_

Witness-2  
Signature: \_\_\_\_\_  
Name: \_\_\_\_\_  
CNICNo: \_\_\_\_\_  
Father'sName: \_\_\_\_\_  
Present/Postal Address: \_\_\_\_\_  
\_\_\_\_\_  
Permanent Address: \_\_\_\_\_  
\_\_\_\_\_

**ATTESTED**

Signature and Stamp of Political Agent/First Class Magistrate

**KHYBER MEDICAL UNIVERSITY  
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: \_\_\_\_\_

**KHYBER MEDICAL UNIVERSITY**  
**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	FullName of School/College	Year (From-	Board
Primary(1-5)			
Middle(6-8)			
Matric(9-10)			
F.ScPart-I(11)			
F.ScPart-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

**KHYBER MEDICAL UNIVERSITY  
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 \_\_\_\_\_ here by solemnly affirms 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 ETEA test at any stage of my study tenure.

I 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	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: _____
_____	_____

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 PERIODONTOLOGY



BDS students in clinical Activities



BDS students engaged in teaching activity

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



**1<sup>st</sup> Floor, Academic Block, Phase – V,  
Hayatabad, Peshawar,  
Khyber Pakhtunkhwa, Pakistan  
Tel: +92919219612, [www.kmu.edu.pk](http://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, innovators 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**

### **IHPE&R OFFERS THE FOLLOWING PROGRAMS**

1. Master in Health Professions Education (MHPE)
2. Certificate in Health Professions Education (CHPE)
3. Master in Health Research (MHR)
4. Certificate in Health Research (CHR)

## **1. MASTERS 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.

##### **Educational Psychology**

1. Apply principles and theories of learning to develop educational programs and curricula.
2. Apply educational psychology for better transfer of knowledge skills and attitudes to students.
3. Develop skills like critical thinking and problem solving among students and teachers.
4. Apply skills to enhance motivation and intelligence in students learning.
5. Apply knowledge to develop teaching and learning strategies to improve the quality of teaching and learning in an educational environment.
6. Demonstrates abilities to guide students in developing their learning strategies, keeping them motivated and eventually becoming self directed learners.

##### **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.
5. Develop a curriculum that improves the knowledge, skills and the attitudes of learners.
6. Demonstrate skills to use e-learning and information technologies to develop and manage computerized curriculum management system.
7. Powerful user of researcher and evidence as tools to improve the quality of curriculum management system.

##### **Teaching and Learning**

1. Demonstrates knowledge to develop teaching and learning strategies to improve the quality of teaching and learning in an educational environment;

2. Demonstrates abilities to guide students in developing their learning strategies, keeping them motivated and eventually becoming self directed learners;
3. 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.
4. Demonstrate skills to use e-learning and information technologies to develop and manage computerized teaching and learning solutions.
5. 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. 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.
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**

1. Demonstrates excellent leadership qualities for the best interest of his profession and institution; An effective communicator and team player;
2. Apply global knowledge to identify local health professions education challenges and suggest innovative solutions.
3. Independently plan, establish and run medical education department, perform situation analysis, identify key educational issues and
4. Suggest effective solution at the institutional level;
5. 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 is comprised of 10 days of face to face interactive teaching and learning. 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.

### c. Distribution of Modules

The program is a modular system where credit hours will be awarded for each module passed. Each module includes contact sessions and on line assignments.

S#	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	

### d. 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	November
3	MHPE 703	Curriculum	III	March/April
4	MHPE 704	Assessment	IV	July/August
5	MHPE 705	Educational Research	V	November
6	MHPE 706	Educational Leadership and Management	VI	March/April
7	MHPE 799	Thesis	00	March/April to July/August

### **e. 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.



### **f. 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)

### **g. 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.

### **h. Assignment submission policy**

1. An assignment should be submitted within due date notified by the institute and will be marked out of 100 marks.
2. A second chance of submission of the assignment will be given to a student, if the assignment already submitted needs further improvement. The deadline of second submission will be notified by institute. The second submission assignment will be marked out of 70 marks.
4. Any assignment submit after due date will not be considered for marking.
5. This institute reserved the rights to change the date of submission at any time in the interest of the program.

## I. Examination and Methods of Assessment

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

S#	Codes	Title of Modules	Assessment (Weightage)			
			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

- Internal assessment will be weighted towards 20% of the total grade for the module. It will include as under;
  - Class participation = 5
  - Attendance = 5
  - Presentations =5
  - Group work =5
- The assignments will be given after the contact session of each module. It will be graded for 50%of the total grade for the module.
- The final exam of module will be conducted on the first day/during next contact session. The final exam of each module will be weighted towards 30% of the total grade for that module.
- The format of paper for final exam may include:
  - Multiple Choice Questions (Single best answer)
  - Short Answer Questions
  - Extended Matching Questions

### j.Grading

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

Table 1: Grade Points

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

- 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 Masters Level are expected to maintain a CGPA of 3 during the course of study.

#### **k. Academic Quality**

1. A student must have 80% of the attendance in each contact session.
2. A student who has missed more than two days in the contact session will repeat a contact session.
3. A student will attempt one extra assignment in addition to three assignments, if missed one day of contact session. (Total assignments to be attempted = Four)
4. A student will attempt two extra assignments in addition to three assignments, if missed two days of contact session. (Total assignments to be attempted = Five).
5. Failing the Serial Number 3 or 4, the internal assessment marks will be marked as zero.

#### **l. 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.

#### **m. Contact session freezing policy and re-joining MHPE course**

1. Attending 1<sup>st</sup> 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 the contact session.
3. A student will re-join the course from the freeze contact session of module with next batch.
4. On re-joining the course with next batch a student will deposit fee as per KMU Policy.

#### **n.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 repetition of a module.

#### **o. 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 will be charged on paper attempt (As per KMU policy).

#### **p. Promotion to Next Contact session**

Requirement for promotion to next session shall be as follow;

1. A student who has submitted/completed assignments of the module will be promoted to next contact session.
2. A student, who has not submitted the assignments of 1st Module in due course of time after attending the 1st contact session, will be considered drop from the program.

#### **q. Maximum time required for completion of two years program**

1. Maximum Four Years duration (from the date of admission) shall be allowed for a student to qualify.
2. A student if failed to complete the program in the maximum four years duration, 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 doubled of the prescribed fee for the enrolment of the relevant degree program's semester.

3. The institute will decide the deadlines for assignments and final submission of thesis.

4. If a student failed to complete the thesis in due course of time (06 months after course work+ one extra semester=04 months), he/she will write application to his/her supervisor for further extension. After recommendation of further extension from supervisor a fine amounting to 50% of 2nd Year Fee (As per KMU policy) will be imposed on a student.

**DISTRIBUTION OF SEATS:** The distribution of seats of MHPE and MHR programs are as under:-

S #	Name of Program	Baluchistan	FATA	Open Merit	Total Seats
1	MHPE	01	-	19	20
2	MHR	04	02	14	20

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

## FEE STRUCTURE

S#	Course	Fee	
		Year-1	Year-2
1	Master in Health Profession Education (MHPE)	Rs. 142000/-	Rs. 141000/-
2	Master in Health Research (MHR)	Rs. 113000/-	Rs. 110000/-
3	Thesis evaluation fee (for MHPE & MHR)	Rs. 30,000/-	
4	Certificate in Health Professions Education (CHPE)	For faculty Members of affiliated medical colleges : Rs 16500/- For others: Rs. 21000/-	
5	Certificate in Health Research (CHR)	Non-formal sectors (NGOs, donors etc) : Rs. 20000/- Faculty Members : Rs. 18000/- Registrars/TMOs/MOs/HOs: Rs. 10000/-	

### Note:

1. The students will deposit their fee yearly i.e. for three contact sessions collectively.
2. Fee deposition in installments is not allowed as per KMU Policy.
3. The fee can be increased any time as per KMU policy.

### Fee Refund Policy (for programs based on Contact Sessions)

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

## **CERTIFICATE IN HEALTH PROFESSIONS EDUCATION (CHPE)**

### **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.

### **Vision of CHPE**

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

### **Mission of CHPE**

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

### **CHPE Program Slogan**

No teacher without basic teacher training in health sciences.

### **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.

### **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.

### **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.

## 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

#### 3.10 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](http://www.kmu.edu.pk) should be filled and submitted. The course organizer will finally select the candidates after reviewing the application forms.

## **FACULTY (MHPE & CHPE)**

### **PERMANENT FACULTY**

#### **Dr. Usman Mahboob**

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

#### **Dr. Brekhna Jamil**

BDS, MPH, MHPE  
Coordinator/ Assistant Professor, IHPER,

#### **Dr. Ahsan Sethi**

PhD Medical Education (Dundee UK),  
MMEd (Dundee UK), MACadMed (UK), FHEA (UK),  
BDS, MPH (Pak)  
Assistant Professor, IHPER, KMU

### **VISITING FACULTY**

#### **Dr. Gohar Wajid**

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

#### **Prof. Muhammad Idrees Anwar**

MBBS, FRCS, DCPS, HPE,  
Head of Surgery, Rawalpindi Medical College

#### **Dr. Sahibzada Mehmood Noor**

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

#### **Dr. Shahid Ayub**

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

#### **Dr. Rehan Ahmed Khan**

MBBS(Pak), FCPS (Pak), FRCS (Ire), JM-HPE (Ned) , MSc HPE (UK) ,  
PhD (Scholar) University of Maastricht (Ned)  
Assistant Dean Medical Education, Riphah Academy of Research and Education  
Assoc. Professor Surgery, IIMC-T, Riphah International University

#### **Prof. Abid Jameel**

MBBS, PhD, FRCP, MHPE  
Professor of Medical Oncology and Associate Dean,  
Postgraduate Medical Institute, Hayatabad Medical Complex, Peshawar.

**Dr.Syed Moyn Aly**

MBBS (Pak), MHPE (Maastricht University),  
PhD scholar from Ambrosiana University, Milan, Italy,  
Head of department of Medical Education, College of Medicine Taif University,  
Program Director, MHPE at Dow university of Health Sciences.

**Prof. Lubna Baig**

Pro-Vice Chancellor  
Dean APPNA Institute of Public Health  
Jinnah Sindh Medical University

**Dr. Syeda Kauser Ali**

MBBS (Pak), MHPE (University of Illinois at Chicago),  
PhD in Medical Education (University of Calgary, Alberta, Canada)  
Associate Professor, Department of Educational Development,  
Aga Khan University, Karachi, Pakistan

**Prof. Dr. Junaid Sarfraz Khan**

MBBS, BSc, FCPS, FRCS, Dip. MedEd, MEd (ELM), PhD (Med. Edu.)  
Pro Vice Chancellor concurrent with Professor of Medical Education  
University of Health Sciences, Lahore

**Dr. Rahila Yasmeen**

Associate Professor Medical Education  
Director MHPE Program, Riphah International University, Islamabad Pakistan

**Dr.Farooq Ahmed**

FCPS, MHPE, Associate Professor, Lady Reading Hospital, Peshawar

**Dr.Saadia Ashraf**

FCPS, MHPE, Associate Professor, Khyber Teaching Hospital

**Dr.Amber Ashraf**

FCPS, MHPE, Associate Professor, Khyber Teaching Hospital

## **FACULTY (MHR & CHR)**

**Professor Dr. Mukhtiar Zaman,**

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

**Dr. Tasleem Akhtar, FRCP**

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

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

**Dr. Zeeshan Kibria**

Deputy Director ORIC, KMU, Peshawar

**Dr. Zahid Jadoon, MSc Epidemiology,**

Vice Dean Pakistan Institute of Community Ophthalmology, Peshawar

**Dr. Salim Wazir, MSc, MPhil**

Assistant Professor, Community Medicine, Ayub Medical College, Abbottabad

**Dr. Hamid Hussain, MSc Epi & Biostatistics**

Associate Professor Community Medicine, KMU-IMS

**Mr. Iftikharud Din MSc, MPhil, PHD**

Assistant Professor, Statistics, Agriculture University Peshawar

**Dr. Zohaib Khan, MPH**

Assistant Director R&D, KMU

**Syed Azmat Ali Shah, MSCS**

Web Master, Khyber Medical University, Visiting Faculty on need basis

### **International Technical Advisory Panel**

<b>Name</b>	<b>Designation</b>
<b>Prof. Saeed Farooq</b>	Visiting Professor Centre for Ageing and Mental Health, Staffordshire University UK &PGMI LRH Peshawar.
<b>Dr. Simon Michael Collin PhD</b>	Research Fellow, University of Bristol, School of Social & Community Medicine
<b>Dr. Gregory Pappas PhD</b>	Former Chairman and Professor, Department of Community Health Sciences, Aga Khan University
<b>Dr. Wilbur Hadden PhD</b>	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 province 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 arrange 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 ORGANISATIONANDSTRUCTURE**

### **Program Organization**

The emphasis in this course will be on developing practical skills in formulating research question, developing appropriate methodology, collect valid data and disseminate the results using effective communications. The course will therefore use 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 I.T staff. Web access to a virtual library will be all owed 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, break down of the credit hours is as follow:

**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 following6 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 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.

### 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 soft ware 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
- Datagathering (common methods): sampling, surveys, interviews, focus Groups, consensus panels
- Datagathering (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 met analysis of randomised Controlled trials
- Evidence syntheses

- Introduction to software format a 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, researcher reports & theses
- Oral presentations & Poster presentations
- Writing style
- Open access and online publishing
- Scientific misconduct Current issues in publishing System article views
- 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 skills 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 provide 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

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 force 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 health care 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. Thesis committees supervise 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 2<sup>nd</sup> 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](http://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 UNIVERSITY INSTITUTE OF BASIC  
MEDICAL SCIENCES**



**Ground Floor, Academic Block,  
Phase-V, Hayatabad Peshawar,  
Khyber Pakhtunkhwa, Pakistan  
Contact: 091-9217838, 091-5892873**

## **INTRODUCTION**

Institute of Basic Medical Sciences is a constituent part of KMU that specialise in cutting edge basic sciences and translational research. 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 1<sup>st</sup> 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: For Microbiology BS (Four Years) in Microbiology/Msc Microbiology, For Biochemistry BS (Four Years) in Biochemistry/Msc Biochemistry and BS MLT (Four Years), while For Pharmacology, D Pharm degree holders are eligible.

### Selection Criteria:

- i. The allocation of marks for determining merit for admission in M. Phil Leading to Ph.D program shall be as following:

Academic record:	40%
Admission test:	40%
Interview:	20%

### 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.

### Admission to PhD:

#### Eligibility & 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 or its equivalent degree in a relevant diiscipline from HEC recognized university/institution.

**For: Anatomy, Physiology, Histopathology and Haematology:**

1. MBBS/BDS degree recognized by PMDC.
2. MPhil/M.S in relevant discipline from HEC recognized university/degree awarding institution.
3. Not more than two 2nd Divisions with no 3rd Division in the academic career.

**For: Pharmacology, Microbiology and Biochemistry:**

1. MBBS/BDS degree recognized by PMDC, Pharm D, BS/M.Sc in Biochemistry and Microbiology
2. MPhil/M.S in relevant discipline from HEC recognized university/degree awarding institution.
3. Not more than two 2nd Divisions with no 3rd Division in the academic career.

### Admission criteria and procedures:

- ii. 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.
- iii. 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 subject GRE test to be developed locally by the university with minimum passingscore of 70%.

<b>Total MCQs:</b>	<b>100</b>
Subject Questions:	70%
English Questions:	15%
Analytical Questions:	15%

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.

### 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 with impact factor (JCR) 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

<b>Semester Fee</b>	<b>Rs.75,000</b>
<b>KMU Registration Fee (One time)</b>	<b>Rs. 1,800</b>
<b>PMDC Registration Fee (One time)</b>	<b>Rs. 1,000</b>
<b>M. Phil Thesis Evaluation Fee (One time)</b>	<b>Rs.30,000</b>
<b>Ph.D Thesis Evaluation Fee (One time)</b>	<b>Rs.120,000</b>

**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
<b>Total</b>	<b>20 weeks</b>

#### Year 2

Project synopsis writing	04 weeks
Research project	42 weeks
Dissertation defense	02 weeks
<b>Total</b>	<b><u>48 weeks</u></b>

## 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+1or 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 (Embryology)	Anatomy	3+1	BMS: 716	Amino Acids, Peptides & Proteins	2+1
BMS: 707	Microscopic (Histology)	Anatomy	3+1	BMS: 717	Carbohydrates, Lipids and Membranes	2+0
BMS: 708	Neuroanatomy		2+1	BMS: 718	Enzymes	2+0
BMS: 709	Microtechniques		2+0	BMS: 719	Metabolism-I (Bioenergetics, Carbohydrates and Lipids)	3+0
BMS: 710	General Anatomy		1+0	BMS: 720	Metabolism-II (Proteins and Nucleotides)	2+0
BMS: 711	GrossAnatomy of Upper and Lower Limb		2+1	BMS: 721	Nutritional Biochemistry	2+0
BMS: 713	GrossAnatomy of Thorax		1+0	BMS: 722	Hormones and Cellular Signaling	2+1
BMS: 714	Anatomy of Abdomen and Pelvis		2+0	BMS: 723	Biochemistry of Specialized Tissues	2+1
BMS: 715	GrossAnatomy of Head & Neck		2+0	BMS: 724	Biochemical Techniques	2+0
Mphil Leading To PhD In Physiology			Mphil Leading To PhD In Pharmacology			
BMS: 725	Cell and Nerve Muscle Physiology		2+0	BMS: 733	General Pharmacology	2+0
			Credit Hrs			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
BMS: 731	Aviation, Space & Deep-Sea Diving Physiology	1+0 Credit Hrs
BMS: 732	Sports Physiology	1+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: 739	Chemotherapy	3+1 Credit Hrs
BMS: 741	Anti inflammatory, Autacoids and drugs acting on blood	2+0 Credit Hrs

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

<b>Mphil Leading To PhD In Haematology</b>		
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

<b>Mphil Leading To PhD In Chemical Pathology</b>		
BMS: 743	General Pathology	3+1 Credit Hrs
BMS: 756	Kidney-Electrolytes & Endocrines	3+1 Credit Hrs
BMS: 757	Carbohydrates and Lipids	2+1 Credit

<b>Mphil Leading To PhD In Microbiology</b>		
BMS: 762	General Microbiology	3+1 Credit Hrs
BMS: 763	Systemic Bacteriology I	Clinical 3+1 Credit Hrs
BMS: 764	Systemic Bacteriology II	Clinical 2+0 Credit Hrs

		Hrs
BMS: 758	Proteins, Enzymes & Vitamin	2+1 Credit Hrs
BMS: 759	Hepatobiliary, Acid Base Disorder & Reference Ranges	3+1 Credit Hrs
BMS: 760	Drug Monitoring	2+0 Credit Hrs
BMS: 761	Quality Control	2+0 Credit Hrs

	Bacteriology II	
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

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

<b>Phd Courses</b>		
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

### DISCIPLINES OFFERED IN MPHIL AND PHD PROGRAMS

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

### DISTRIBUTION OF SEATS:

S. No	Name of Program	Baluchistan	FATA	Disabled Reserved Seat	Total No. of seats
1	Ph. D	02	02	01	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	01	

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

**Faculty:**

S #	NAME	QUALIFICATION	DESIGNATION
<b>DEPARTMENT OF ANATOMY</b>			
1.	Dr.Zilli Huma	MBBS,FCPS (General Surgery) PhD (Anatomy), CHPE	Associate Professor
2.	Dr. Najeebullah	PhD	Assistant Professor
3.	Dr.Najma Baseer	MBBS, PhD	Assistant Professor
<b>DEPARTMENT OF BIOCHEMISTRY</b>			
4.	Dr. Rubina Nazli	MBBS, PhD	Professor
5.	Dr. Musharraf Jelani	PhD	Assistant Professor
6.	Dr. Roshan Ali	PhD	Assistant Professor
7.	Dr.Muhammad Shahzad	BDS, PhD	Assistant Professor
8.	Dr.Muhammad Jaffar Khan	MBBS, PhD	Assistant Professor
<b>DEPARTMENT OF HEMATOLOGY</b>			
9.	Dr. Nazish Farooq	MBBS, FCPS	Assistant Professor
10.	Dr.Yasar Yousafzai	MBBS, PhD	Assistant Professor
<b>DEPARTMENT OF HISTOPATHOLOGY</b>			
11.	Dr. Walayat Shah	PhD	Assistant Professor
12.	Dr.Asif Ali	MBBS,PGD, PhD	Assistant Professor
13.	Dr.Asif Naseer	MBBS, PhD	Assistant Professor
<b>DEPARTMENT OF MICROBIOLOGY</b>			
14.	Dr. Jawad Ahmed	MBBS, MSc, PhD, FCPP	Professor/ Dean/ Director
15.	Dr. Tayyab ur Rehman	PhD	Assistant Professor
16.	Dr. Muhammad Tahir Sarwar	PhD	Assistant Professor
17.	Mr. Momin Khan	MPhil (PhD in Progress)	Assistant Professor
18.	Dr. Ihsan Ullah	MBBS, PhD	Assistant Professor
<b>DEPARTMENT OF PHARMACOLOGY</b>			
19.	Dr. Niaz Ali	PhD	Professor& Chief Proctor
20.	Dr. Shafiq Ahmed Tariq	PhD	Professor
21.	Dr. Sami Siraj	PhD	Assistant Professor
<b>DEPARTMENT OF PHYSIOLOGY</b>			
22.	Dr. Mohsin Shah	PhD	Assistant Professor
23.	Dr. Inayat Shah	MBBS, PhD	Assistant Professor
24.	Dr. Syed Hamid Habib	MBBS, PhD	Assistant Professor
25.	Dr. Omer Malik	MBBS, 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. 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**



**1<sup>st</sup> Floor, Academic Block,  
Phase – V, Hayatabad, Peshawar, Khyber Pakhtunkhwa  
Tel: +92919217268, +92915892867,  
Website: [www.kmu.edu.pk](http://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 stake holders.
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.

**FACULTY:**

The Institute has the following Core and Visiting Faculty.

**CORE FACULTY**

1. Dr. Ayaz Ayub (DHP&M, FCPS-1, MPH, Australia)
2. Dr. Zia-ul-Haq (PhD Public Health, UK)
3. Dr. Naseem (PhD Public Health, UK)
4. Dr. Ayesha Imtiaz (MPH, Australia)
5. Dr. Waqas Mohyuddin (MPH, Pak)
6. Dr. Fayaz Ahmad ( MPH, PAK)

**VISITING FACULTY**

1. Dr. Uma M Irfan (PhD Epidemiology, USA)
2. Dr. Jawad Ahmad (PhD Microbiology, Dean/Director IBMS,KMU)
3. Dr. Wilayat Shah(PhD Pathology, Assistant Professor IBMS,KMU)
4. Dr. Naeema Sattar (PhD Psychology, Pak)
5. Dr. Hamid Hussain (MSc Epidemiology & Biostatistics, Agha Khan University, Karachi)
6. Mr. Iftikhar-ud-Din (MPhil, Statistics)
7. Dr. Sareer Badshah (PhD Statistics)
8. Dr. Sajjad (PhD Statistic)
9. Dr. ZeeshanKibria (MPH, Pak)

## **ACADEMIC PROGRAMS:**

The following programs are offered in KMU-Institute of Public Health and Social Sciences:-

1. Master in Public Health (MPH)
  - a. MPH General
  - b. MPH Non Communicable Diseases (NCDs)
  - c. MPH Maternity and Child Health (MNCH)
  - d. MPH Hospital Administration
2. M.Sc. Epidemiology and Biostatistics Program
3. Ph.D in Public Health

### **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 Khyber Pakhtunkhwa.

**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 & 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 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 health care 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

## **ADMISSION POLICY FOR ALL MPH PROGRAMS**

### **A. MASTER IN PUBLIC HEALTH PROGRAM (MORNING/EVENING):**

Join our Master in Public Health (MPH) Morning/Evening program to become leading public health professional capable of addressing public health problems pertinent to global, regional, national and local population through multidisciplinary approaches to that apply the latest scientific knowledge.

#### **Eligibility Criteria:**

Sixteen years (16 years) of education in the following fields:- MBBS,MD,BDS, or equivalent qualification (Recognised by PM&DC), BS Nursing (04 years) or BSc Post RN (Recognised by PNC), BS (Prosthetic and Orthotic Sciences), BS Paramedics, BS Vision Sciences, BS Human Nutrition, BSc Physiotherapy(04 years), Doctor of Physical Therapy (DPT), Pharmacy (Pharm-B, Pharm-D) (Recognised by Pharmacy Council) and DVM.

### **B. MASTER IN PUBLIC HEALTH (MATERNAL & CHILD HEALTH) PROGRAM (MORNING)**

Enrolled in two years MPH MNCH degree Morning program in Khyber Medical University to develop the knowledge and skills to recognise, examine and evaluate the social, economic, biological, and behavioural determinants impacting health of mother & children pertinent to global, national, regional and local population.

**Eligibility Criteria:** Sixteen years (16 years) of education in the following fields: MBBS, MD, BDS or equivalent qualification (Recognised by PMDC), BS Nursing (04 years)/B.Sc. Nursing Post RN (02 years) (Recognised by PNC), and Post graduation in public health with reproductive health module Covered.

### **C. MASTER IN PUBLIC HEALTH (NON-COMMUNICABLE DISEASE) PROGRAM (MORNING)**

Enrolled in two years (MPHNCDs) degree Morning program to develop the knowledge and skills in fighting against Non-Communicable diseases .The program provide innovative learning platform that will help health professionals to become planners, managers, trainers & implementers of Non-Communicable diseases control& preventive program.

**Eligibility Criteria:**Sixteen years (16 years) of education in the following fields:MBBS, MD, BDS, or equivalent qualification (Recognised by PMDC), BS Nursing (04 years)/B.Sc. Nursing Post RN (02 years) (Recognised by PNC), BS Paramedics (04 years), BS Vision Sciences, BS Human Nutrition, BS Physiotherapy, DPT,Pharmacy (Pharm-B, Pharm-D)(Recognised by Pharmacy Council).

## Selection Criteria

- a. Academic qualification percentage of aggregate of all 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. Applicant's background shall reflect significant interest in Public Health e.g. research projects, publications, symposia and workshops attended.
- d. Basic computer literacy is expected.
- e. Publications: In PMDC recognized journals maximum 05 marks
  - o 1<sup>st</sup> Author:1.0 mark per paper
  - o 2<sup>nd</sup> and 3<sup>rd</sup> Author:0.5 mark per paper
  - o 4 and onward Author:0.2 mark per paper
- f. Post graduate qualification registered with PMDC 05 mark for minor and 10 marks for major degree.
- g. Interview 25 marks. Candidates who secures less than 50% marks in interview will be declared unsuccessful

**DISTRIBUTION OF SEATS:** The details are as under:-

S. No	Name of Program	Baluchistan	FATA	Open Merit(Khyber Pakhtunkhwa/FATA/PATA)	Total Seats
1	MPH General (Morning)	04	02	19	25
2	MPH General (Evening)	02	01	22	25
3	MPH (MNCH) (Morning)	02	02	21	25
4	MPH (NCDs) (Morning)	02	02	21	25
5	Master in Public Health Hospital Administration (Morning)	02	01	22	25
5	Master in Public Health Hospital Administration (Evening)	02	01	22	25

**Note:** If the seats allocated for candidates from Baluchistan and FATA remains vacant, these vacancies will be converted to open merit seats.

## FEE STRUCTURE:

**Fee per Semester:** Rs 57,000 (MPH Morning)

**Fee per Semester:** Rs 67,000 (MPH Evening)

**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

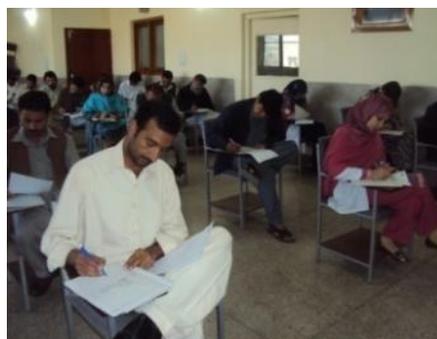
## PROGRAM DURATION AND CREDIT HOURS:

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 1<sup>st</sup> semester offers 8 modules, culminating in a total of 20 credit hours while the 2<sup>nd</sup> & 3<sup>rd</sup> semester offers 7 modules each, culminating in a total of 17 credit hours each and the 4<sup>th</sup> 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:

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



## 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 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.

## EXAMINATIONS

### 2) Method of Examination:

- a) There will be continuous assessment. Midterm examination will be conducted by the institute and final examination at the end of the every semester will be conducted by Khyber Medical University, Peshawar.
- b) Internal evaluation; there is regular assessment on daily basis of the students. These include attendance, class behavior, assignments, presentations and examination behavior.

- c) The candidates who pass the 50% of the modules offered in the semester shall be promoted to the next semester.
- d) There will be no make-up exam. The students failing the module will have to re-appear.

### 3) Registration

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

### 4) Examination rules and regulations

The examination Rules and Regulations of KMU shall be applicable.

### Field Visits

The IPH&SS regularly arranges field visits of all semesters to different places of public health importance and different ongoing Programs of Department of Health, Khyber Pakhtunkhwa and at times federal level.

Purpose of these visits is to give students a knowhow of Departments; how the things are working on ground which is most of the times reasonably different from theory.



Students visit to National Institute of Health, NIH-Islamabad

## 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		
	Epidemiology – Introduction to theory and practice	03		Epidemiology – Application to theory and practice	03
	Statistical Methods in Public Health	03		Nutrition	03
	Communicable & Non Communicable Disease Control	03		Public Health Management & Policy	03
	Technical Report Writing & Basic Communication Skills	03		Health Economics	03
	Computer Applications in Public Health	03		Occupational Health & Environmental Hazards	03
	Health Education & Promotion	03		Field Visits	01
	Field Visits	01		Graduate Seminar	01
	Graduate Seminar	01			
	<b>Total</b>	<b>20</b>		<b>Total</b>	<b>17</b>
Year 2 Semesters 3			Year 2 Semester 3 for MPH (NCD)		
	Hospital Management	03		Epidemiology of NCDs	03
	Community Interventions in Reproductive Health	03		Economics of NCDs	03
	Primary Health Care	03		Key NCDS	03
	Research & Ethics	03		Research & Ethics	03
	Project Management	03		Project Management	03
	Field Visits	01		Field Visits	01
	Graduate Seminar	01		Graduate Seminar	01
	<b>Total</b>	<b>20</b>		<b>Total</b>	<b>17</b>

Year 2 Semester 3 for MPH (MNCH)			Year 2 Semester 4		
	Women, Gender and Health	03		MPH Thesis	06
	Children's Health: Programs and Policy	03			
	Public health approaches to maternal and child health	03			
	Research & Ethics	03			
	Project Management	03			
	Field Visits	01			
	Graduate Seminar	01			
	<b>Total</b>	<b>17</b>		<b>Total</b>	<b>6</b>

ELECTIVE COURSES			NUMBER OF CREDIT HOURS PER SEMESTER		
	Introduction to Behavioural Health	03		<b>Semester I</b>	20
	Mental Health	03		<b>Semester II</b>	17
	Health Management Information System(HMIS)	03		<b>Semester III</b>	17
	Survey Design and Data Collection	03		<b>Semester IV</b>	06
	Health Management & Accounting	03			
	Disaster Management	03			
	Best Practice Models in Family Health	03			
	Health Policies	03			
	Models of Health Care System	03			
	Community Intervention, Program Development & Evaluation	03			
	Practicum	03			
	<b>Total</b>	<b>33</b>		<b>Total</b>	<b>60</b>

## M.SC. EPIDEMIOLOGY & BIO STATISTICS

### Objectives of the Program

#### Objectives:

- i. conceptualize epidemiologic approaches to understand the causes of ill health in population-based research;
- ii. Critically synthesize published literature in epidemiology and biostatistics;
- iii. Design and conduct epidemiological studies;
- iv. Conduct sample size estimation for basic epidemiologic study designs;
- v. Choose appropriate statistical techniques and perform analysis of data from epidemiological studies, and,
- vi. Conduct appropriate and effective dissemination of scientific findings.

### MASTER IN EPIDEMIOLOGY & BIO-STATISTICS (02 YEARS) PROGRAM (MORNING)

Enrolled in M.Sc (Epidemiology & Biostatistics) two years degree Morning program to develop the knowledge and skills to conduct and facilitate research.

### Eligibility Criteria

This is an equal opportunity program and there is no discrimination based on gender, religion or ethnicity.

Entry into the masters program will require:

### 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 B.Sc Nursing Post RN( Recognized by PNC ),
- BS Paramedics, B.S Vision Sciences,
- BS Human Nutrition,
- BS Physical Therapy or DPT Physiotherapy,
- Pharmacy (Pharm-B, Pharm-D)
- Applicant's background should reflect significant interest in Public Health e.g. research projects, publications, symposia and workshops attended;
- The program favors individuals with appropriate academic credentials.
- Basic computer literacy is expected.

### 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. 1<sup>st</sup> author: 1.0 marks per paper
  - ii. 2<sup>nd</sup> & 3<sup>rd</sup> author: 0.5 marks per paper
  - iii. 4<sup>th</sup> 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).

**DISTRIBUTION OF SEATS:** the distribution of seats for M.Sc. Epidemiology and Biostatistics program are as under:-

<b>Total seats:</b>	<b>15 seats</b>
a. Open Merit	09 seats
b. Baluchistan	04 seats
c. FATA(Special Seat)	02 seats

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

**Fee structure:**

1. Fee per semester:	Rs. 57,000/-
2. KMU Registration Fee	Rs. 1,800 Once
3. 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	MSc Epi-Bio 511	Basic Epidemiology	2
2	MSc Epi-Bio 512	Fundamental of Biostatistics	3
3	MSc Epi-Bio 513	Epidemiology study designs	2
4	MSc Epi-Bio 514	Demography and Survey Methods	2
5	MSc Epi-Bio 515	Computer Applications (word,powerpoint,excel,spss)	2
6	MSc Epi-Bio 516	Mini Project	2
7	MSc Epi-Bio 517	Journal Club	2
8	MSc Epi-Bio 518	Communication Skills	1
<b>Total</b>			<b>16</b>
SEMESTER 2			
S.No	Code	Course	Credit Hour
1	MSc Epi-Bio 521	Sampling technique and sample size	2
2	MSc Epi-Bio 522	Inferential Statistics, estimation, significance and hypothesis testing	4
3	MSc Epi-Bio 523	Study designs at advance levels	4
4	MSc Epi-Bio 524	Research Methodology/ Qualitative research	3
5	MSc Epi-Bio 525	Computer applications (Epi-info, STATA 12)	3
6	MSc Epi-Bio 517	Journal Club	2
7	MSc Epi-Bio 526	Full Economic Analysis	2
<b>Total</b>			<b>20</b>
SEMESTER 3			YEAR 2
S.No	Code	Course	Credit Hour
1	MSc Epi-Bio 531	Applied Epidemiology	3
2	MSc Epi-Bio 532	Correlation, regression analysis: linear, logistic, multilevel	3
3	MSc Epi-Bio 533	Role of chance, bias and confounding	2
4	MSc Epi-Bio 534	Causal Diagram (DAGs)	2
5	MSc Epi-Bio 535	Systematic review and meta analysis	2
6	MSc Epi-Bio 536	Ethics- Clinical, public health and research	2
7	MSc Epi-Bio 517	Journal Club	2
8	MSc Epi-Bio 537	Proposal Development	2
<b>Total</b>			<b>18</b>
SEMESTER 4			YEAR 2
S.No	Code	Course	Credit Hour
1	MSc Epi-Bio 599	Thesis	6

## **MPH (Hospital Administration)**

### **Mission:**

In view of acute scarcity of trained professional managers and administrators to manage medical and health services efficiently and effectively, it was imperative to create a pool of trained manpower that will enable the Province and the Country to meet the challenges of providing quality healthcare to the people of Pakistan at cost affordable to the people and the country.

The Master in Hospital Administration program is designed to train individuals to become responsible, productive and professional hospital managers and leaders.

### **Objectives:**

Upon completion of the course of Master in Hospital administration program, individual will gain a very good understanding of how a hospital works and how to manage it more effectively providing quality care to the patients attending the hospital.

1. This course will enable participants to gain an in-depth knowledge of how the Healthcare System is organized in Pakistan along with a more detailed understanding of Hospitals.
2. Provide theoretical base of Management of health organizations.
3. Personnel already working in Hospitals will develop better understanding of the hospital administration.
4. This program will also improve their career prospects.
5. Participants exposed for the first time to the subject will acquire a sound basic knowledge of how Hospitals work.
6. Develop professional and academic skills in research and management.
7. Apply research methods to analyze the available data of the hospital to identify problems and possible solutions based on scientific evidence.
8. Develop knowledge and skills to effectively manage the affairs of a hospital.
9. To produce professionals with conceptual and technical skills in institutional management.

### **ADMISSION POLICY FOR MPH (HOSPITAL ADMINISTRATION) PROGRAMME:**

Enrolled in two years MHA degree Morning program in Khyber Medical University to Service humanity with a commitment for excellence in medical education and research, providing students with state of the art knowledge, skills and attitude to deliver the highest standards of health care to the people

#### **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 B.Sc Nursing Post-RN(Recognized by PNC), BS Paramedics, B S Vision Sciences, BS Human Nutrition, BS Physical Therapy or DPT, Pharmacy (Pharm-B, Pharm-D).

## 2. Selection Criteria

1. Academic qualification percentage of aggregate of all professional examination to 50 marks.
2. 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.
3. Applicant's background shall reflect significant interest in Public Health e.g. research projects, publications, symposia and workshops attended.
4. Basic computer literacy is expected.
5. Publications: In PMDC recognized journals maximum 05 marks
6. 1<sup>st</sup> Author:1.0 mark per paper
7. 2<sup>nd</sup> and 3<sup>rd</sup> Author:0.5 mark per paper
8. 4 and onward Author:0.2 mark per paper
9. Post graduate qualification registered with PMDC 05 mark for minor and 10 marks for major degree.
10. Interview 25 marks. Candidates who secures less than 50% marks in interview will be declared unsuccessful

## 4. Fee Structure

Fee per semester:	Rs. 57,000/-
Registration Fee:	Rs. 1,800 (Once in programme)
PMDC Registration	Rs. 1,000 (Once in programme)

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

## PROGRAM DURATION AND CREDIT HOURS:

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

The medium of instruction for all courses in the MHA 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 1<sup>st</sup> semester offers 8 modules, culminating in a total of 20 credit hours while the 2<sup>nd</sup> Semester offer 7 modules culminating in a total of 17 credit hours (the 1<sup>st</sup> and 2<sup>nd</sup> semesters will be combined with MPH program), 3<sup>rd</sup> semester offers 8 modules, culminating in a total of 20 credit hours and the 4<sup>th</sup> semester offers MHA 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:

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

## 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 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.

## COURSES

### SEMESTER WISE DISTRIBUTION OF COURSE

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

Year 1 Semester 1			Year 1 Semester 2		
	Epidemiology – Introduction to theory and practice	03		Epidemiology – Application to theory and practice	03
	Statistical Methods in Public Health	03		Nutrition	03
	Communicable & Non Communicable Disease Control	03		Public Health Management & Policy	03
	Technical Report Writing & Basic Communication Skills	03		Health Economics	03
	Computer Applications in Public Health	03		Occupational Health & Environmental Hazards	03
	Health Education & Promotion	03		Field Visits	01
	Field Visits	01		Graduate Seminar	01
	Graduate Seminar	01			
	Total	20		Total	17
Year 2 Semesters 3			Year 2 Semester 4 for MHA		
	Hospital Management, Budgeting, Financial Management & Medical Audit	03		MHA Thesis	06
	Hospital Organization structure & Customer experience management in Hospital	02			
	HRM (Human resource management) & HMIS (Health information management system)	01			
	Hospital Store organization, Pharmacy & Hospital waste management	03			
	Research & Ethics	03			
	Project Management, Planning a modern hospital	03			
	Field Visits	01			
	Graduate Seminar	01			
	Total	20		Total	06

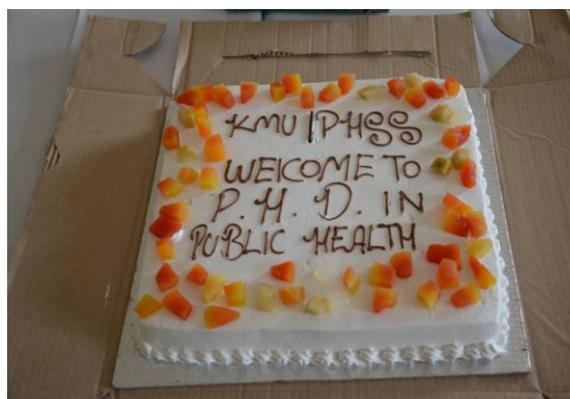
# PhD in Public Health

## Introduction

The recent global phenomenon of evidence based practice and medicine has led to an increase in the demand of quality evidence produced through rigorous research methods. This has further resulted in an increase in the demand of health professionals, equipped with the necessary knowledge and skills to carry out high quality and robust research. In the context of Pakistan this demand is further obviated by the tripple burden of disease, the devolution of health department, epidemics of new infections, an underused primary health care, an overburdened tertiary health care, demographic transitions, the international pressure to end polio and natural disasters such as earthquake and floods.



In recognition of its role as a shepherd in the health system of the Khyber Pakhtunkhwa province and indeed the wider country, Khyber Medical University has launched the first full time “Doctor of Philosophy” program in Public Health in the province. KMU also prides itself in being one of the only two universities offering a doctoral program in public health in all Pakistan. The PhD program in public health at IPH&SS-KMU was launched to develop a critical mass 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.



The KMU IPH&SS has strong faculty with expertise in different aspects of public health. The institute is home to three foreign qualified PhD faculty members, who are supported by faculty members having Master level qualification from some of the most renowned universities around the world. The institute is therefore adequately equipped to provide support and supervision to doctoral students in public health.

The KMU IPH&SS has strong faculty with expertise in different aspects of public health. The institute is home to three foreign qualified PhD faculty members, who are supported by faculty members having Master level qualification from some of the most renowned universities around the world. The institute is therefore adequately equipped to provide support and supervision to doctoral students in public health.

## Program aim and objectives

The primary aim of the PhD program is to produce a critical mass of public health experts, equipped with the necessary knowledge and an advanced level public health research and advocacy skill set 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

- Impart advanced level public health knowledge and research skills to the students.
- Enable students to conduct high quality and robust research in the field of public health.

- Develop leadership for academic, research, practice 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.

### **Fees and other Dues**

Each PhD candidate shall be required to pay tuition fee and such other charges as may be determined by the KMU from time to time.

### **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 31<sup>st</sup> January. Any student starting late will normally be permitted to delay submission of their annual report until 31<sup>st</sup> 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)

#### **DISTRIBUTION OF SEATS**

The number of seats in Ph.D Public Health program will be determined from time to time.

#### **FEE STRUCTURE:**

<b>Fee per semester</b>	<b>Rs.75,000</b>
<b>KMU Registration Fee (One time)</b>	<b>Rs. 1,800</b>
<b>PMDC Registration Fee (One time)</b>	<b>Rs. 1,000</b>
<b>Ph.D Thesis Evaluation Fee (One time)</b>	<b>Rs.1,20,000</b>

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

## **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 PMDC/HEC recognized university/institution.

### **Admission criteria and procedures:**

1. 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.
2. The allocation of marks for determining merit for admission to PhD program shall be as following:

Academic record:	40%
Admission test:	40%
Interview:	20%

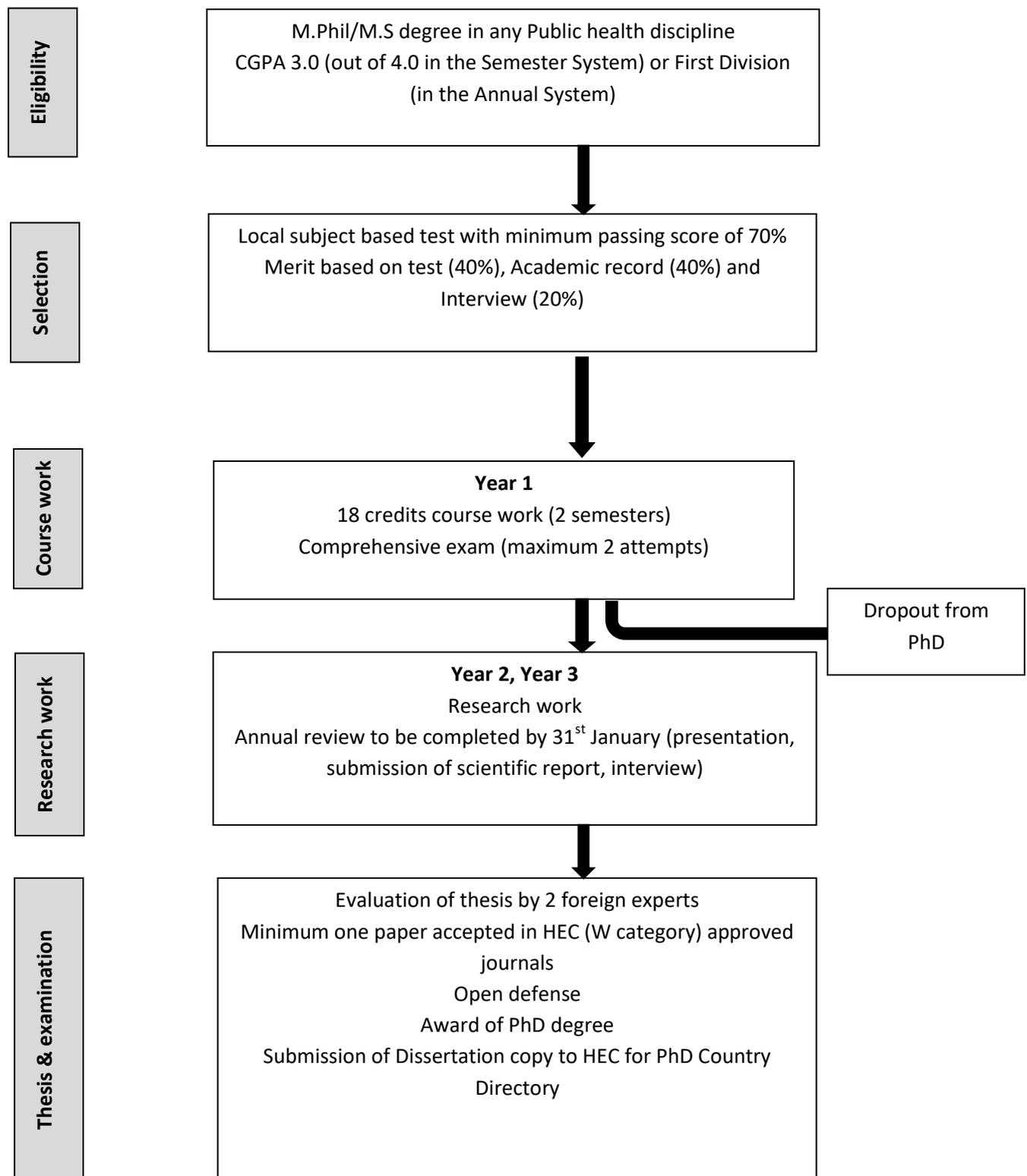
The candidate must have passed the admission test (public health [70%], English verbal [15%], and analytical reasoning [15%]), developed locally by the University with minimum passing score of 70%.

3. 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 UNIVERSITY INSTITUTE OF PHYSICAL  
MEDICINE AND REHABILITATION**



**2<sup>nd</sup> Floor, Academic Block,  
Phase-V, Hayatabad, Peshawar,  
Khyber Pakhtunkhwa, Pakistan  
Tel: +919217266  
Website: [www.kmu.edu.pk](http://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 Masterprograms 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. Apart from offering courses in physical therapy, the institute will be starting new BS programs in Language & Speech Therapy and Occupational Therapy in the coming session.

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

Dr.HaiderDarain (Assistant Professor)  
Director/Principal  
PhD Physical Therapy (UK), M.Sc Health and Physical Education (Pak),  
BSPT (Pak), CHPE, MPPTA

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

Mrs.SajidaMazhar (Assistant Professor)  
Student Affair Incharge  
MSPT (Pak), BSPT (Pak), MPPS (Pak)

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

Dr. Shakirullah PT (Lecturer)  
Clinical Supervisor  
PPD PT (Pak),BSPT Pak)

Dr Ikram Ali PT (Lecturer)  
Staff Proctor  
PPDPT(Pak), BSPT (Pak)

Dr Seema Gul PT (Lecturer)  
Staff Proctor  
DPT, MSPT\*

Mr.Janas Khan (IT Manager)  
Focal Person for Prime Minister Laptop Scheme  
MSc Computer Science (Pak), BSc Computer Science (Pak)

## MANAGEMENT:

Mr. Waseem Hassan Khan (Office Manager)  
Mr. Naveed Ahmad (section Incharge)  
Mr. Muhammad Arshad (receptionist)

## VISITING FACULTY:

S.No	Name	Designation	Subject
1.	Dr. Asif Ali	Assistant Professor, IBMS	Pathology
2.	Dr. Yasar Yousafzai	Assistant Professor, IBMS	Pathology
3.	Dr.Roshan Ali	Assistant Professor, IBMS	Biochemistry
4.	Dr. Salman	Surgery Department, HMC	Surgery
5.	Mr.Ziaullah	Lecturer	English
6.	Mr.AlamgirAfridi	M&PO, KMU	Pakistan Studies
7.	Dr. Yahya	Radiology Department, HMC	Radiology
8.	Dr. Faheem	Surgery Department, HMC	Anatomy
9.	Dr Jawad Mehmood	Medicine Department, HMC	Physiology
10.	Dr. Intikhab Alam	Medicine Department, HMC	Medicine
11.	Dr. Shahab	Lecturer , KGMC	Anatomy
12.	Dr Haji Bahadur	Assistant Professor, IPMS	Pharmacology
13.	Dr.Abdul Ghafoor	Professor (rtd)	Islamait

### VISITING FACULTY MSPT

S.No	Name	Designation
1.	Dr.HaiderDarain	Assistant Professor / Director
2.	Mr. Mujeeb-ur-Rehman	Assistant Professor, IPM&R
3.	Mr. Muhammad Bin Afsar Jan	Associate Professor
4.	Dr. Asif Ali	Assistant Professor IBMS
5.	Dr. Zeeshan Kibria	Deputy Director ORIC
6.	Dr.SajidaMazhar	Lecturer, IPM&R
7.	Mr. Muhammad Ibrahim	Assistant Professor RMI
8.	Mr. Salman Farooqi	Lecturer, IPMR
9.	Dr. Shakirullah PT	Lecturer IPMR
10.	Mr. Rafiq Ahmad	Physiotherapist Special Education
11.	Mr. Muhammad Khan	Rehab Director LRH

### 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

**DISTRIBUTION OF SEATS:** A total of 80 seats in DPT program are offered in KMU-IPM&R. The details are as under:-

Distribution	No. of Seats
Open Merit (KPK, PATA, FATA)	77
Subsidized (FATA- IN)	01
Baluchistan	02
<b>Total</b>	<b>80</b>

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 and FATA 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

Entry Test marks

Marks Obtain in S.S.C examination

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

### WEIGHTAGE

50%

40%

10%

## FEE STRUCTURE FOR DPT PROGRAM

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

**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	2	0	2	DPT 367	SUPERVISED CLINICAL	0	3	3

	(LAWS,ETHICS, ADMINISTRATION)					PRACTICE II			
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
<b>G. TOTAL</b>									<b>175</b>

## **BS OCCUPATIONAL THERAPY (BSOT)**

BS Occupational Therapy or BSOT is a 4-year degree pregame that allows an individual to start professional career as an 'Occupational Therapist'. Occupational therapy is a client-centered health profession concerned with promoting health and wellbeing through occupation. The primary goal of occupational therapy is to enable people to participate in the activities of everyday life. Occupational therapists achieve this outcome by working with people and communities to enhance their ability to engage in the occupations they want to, need to, or are expected to do, or by modifying the occupation or the environment to better support their occupational engagement.

### **VISION**

The vision of BSOT program is to produce expert occupational therapists who will contribute to improve rehabilitation services by applying through research, evidence-based practice, education and professional leadership.

### **MISSION**

The BSOT program is dedicated to excellence and 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 BS Occupational Therapy Program will:

1. Demonstrate in-depth knowledge of the basic and clinical sciences relevant to occupational therapy, both in their fundamental context and in their application to the discipline of occupation therapy.
2. Understand, correlate and apply theoretical foundations of knowledge to the practice of occupational therapy; evaluate and clarify new or evolving theory relevant to occupational therapy.
3. Demonstrate the behaviours of the scholarly clinician by developing and utilizing the process of critical thinking and inquiry, particularly focused on the improvement of the practice of occupational 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 occupational therapy examination, evaluation, intervention 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 occupational therapy practice and the healthcare team.
8. Incorporate and demonstrate positive attitudes and behaviours to all persons.
9. Demonstrate the professional and social skills to adapt to changing healthcare environments to effectively provide occupational therapy care.

## ADMISSION POLICY

### DISTRIBUTION OF SEATS:

A total of 20 seats in BS Occupational Therapy is reserved on Open Merit (Domicile: Khyber Pakhtunkhwa/PATA/FATA) are offered in KMU-Institute of Physical Medicine and Rehabilitation.

### 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

Entry Test marks

Marks Obtain in S.S.C examination

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

### WEIGHTAGE

50%

40%

10%

### FEE STRUCTURE FOR DPT PROGRAM

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

## **BS LANGAUGE AND SPEECH THERAPY**

Bachelor Sciences **Language and Speech Therapy or in other words Speech and Language Pathology** is a 4-year degree pregame that allows an individual to start professional career as a ‘Speech-language Pathologist or Speech Language Therapist’. A Speech Language Pathologist is person who is specialize in the evaluation, diagnosis and treatment of communication disorders, cognition, voice disorders, and swallowing disorders. Speech and language pathologist are allied health professional who closely works with teachers, parents, carers and other professionals including physical therapists, occupational therapists and doctors.

### **VISION**

The vision of BS language and speech therapy program is to produce expert Speech and Language Pathologist who will contribute to improve rehabilitation services by applying through research, evidence-based practice, education and professional leadership.

### **MISSION**

The BS language and speech therapy program is dedicated to excellence and 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 **BS LANGAUGE AND SPEECH THERAPY** Program will:

1. Demonstrate in-depth knowledge of the basic and clinical sciences relevant to LANGAUGE AND SPEECH THERAPY, both in their fundamental context and in their application to the discipline of speech and language pathology.
2. Understand, correlate and apply theoretical foundations of knowledge to the practice of speech and language pathology; evaluate and clarify new or evolving theory relevant to LANGAUGE AND SPEECH THERAPY.
3. Engage in reflective practice through sound clinical decision making, critical self-assessment and commitment to lifelong learning.
4. Demonstrate mastery of entry level professional clinical skills. Provision of these services is based on the best available evidence and includes speech evaluation, diagnosis, prognosis, and intervention.
5. Prepared to influence the development of human healthcare regulations and policies that are consistent with the needs of the patient and of the society.
6. Demonstrate leadership, management, and communication skills to effectively participate in speech and language pathology practice and the healthcare team.
7. Incorporate and demonstrate positive attitudes and behaviours to all persons.
8. Demonstrate the professional and social skills to adapt to changing healthcare environments to effectively provide speech and language therapy care.

## ADMISSION POLICY

### DISTRIBUTION OF SEATS:

A total of 20 seats in BS in Language and Speech Therapy program is reserved on Open Merit (Domicile: Khyber Pakhtunkhwa/PATA/FATA) are offered in KMU-Institute of Physical Medicine and Rehabilitation.

### 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

### 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.

### FEE STRUCTURE FOR DPT PROGRAM

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

## **MS PHYSICAL THERAPY (MS PT)**

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									

## **MS PHYSICAL THERAPY (NEUROLOGICAL)**

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									

**DISTRIBUTION OF SEATS:** The distribution of seats in MS Physical Therapy program are under:-

S #	Name of Program	Baluchistan	FATA	Open Merit	Total Seats
1	Musculoskeletal Physical Therapy	01	01	18	20
2	Neurological Physical Therapy	01	01	18	20

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

**ELIGIBILITY CRITERIA:**

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

**SELECTION CRITERIA:**

- 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. 1<sup>st</sup> author: 1.0 marks per paper
  - ii. 2<sup>nd</sup> & 3<sup>rd</sup> author: 0.5 marks per paper
  - iii. 4<sup>th</sup> 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 MASTER IN PHYSICAL THEROPHY PROGRAM**

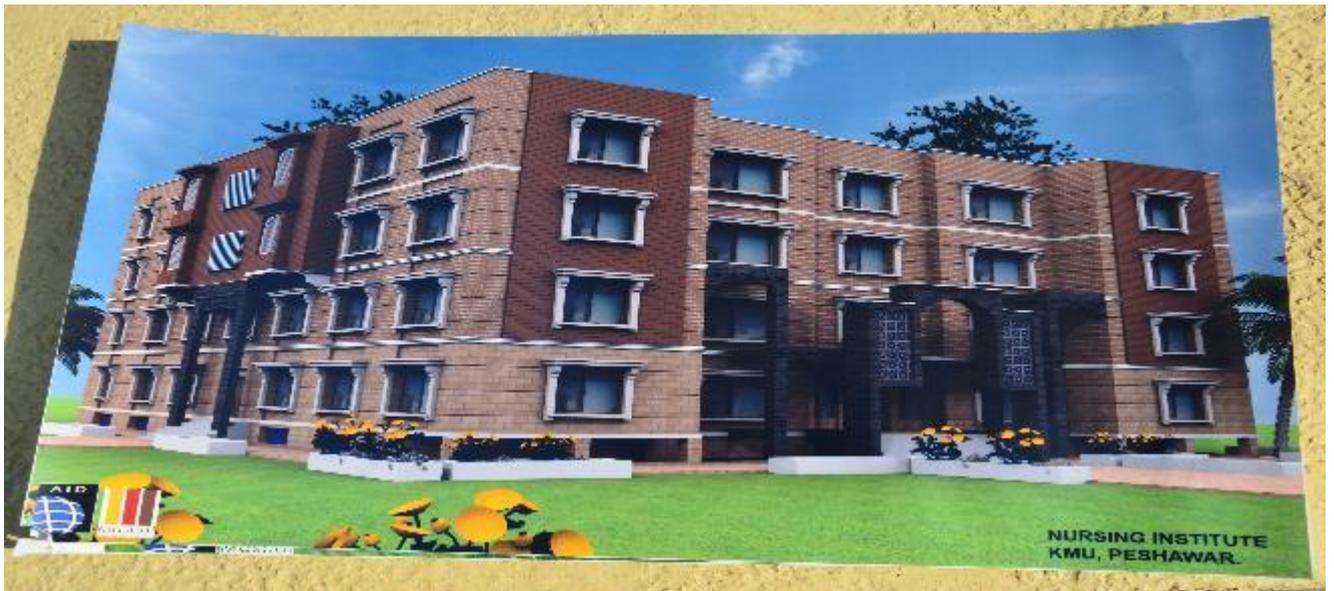
Fee Structure	1 <sup>st</sup> Semester	2 <sup>nd</sup> Semester	3 <sup>rd</sup> Semester	4 <sup>th</sup> Semester
Tuition fee	48000	48000	49000	49000
KMU Registration Fee	1800	-	-	-
Examination fee as per rules				

**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 reveals great deal as they are essential for building attribute like teamwork, commitment, responsibility and leadership.

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

**KHYBER MEDICAL UNIVERSITY INSTITUTE OF NURSING  
SCIENCES**



**PDA Commercial Flat, Near Shalman Park,  
Phase – VI, Hayatabad, Peshawar, Khyber Pakhtunkhwa  
Tel: +92-91-5862514, [www.kmu.edu.pk](http://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 21<sup>st</sup> 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 #	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, (AKUSON), Dip; in Strengthening Midwifery Competence in sexual and Reproductive Health.(Korolinska Institute Sweden)
2.	Dr. Dildar Muhammad Assistant Professor	G. BScN (AKU), PhD Nursing (University of Liverpool), CHPE (KMU)
3.	Ms Anis Fatima Assistant Professor	Master of Science in Advanced Nursing 2011-2013University of Nottingham, United Kingdom. Baccalaureate in Sciences of Nursing (BScN) 2005-2007(AKUSON) Karachi. Pakistan
4.	Mr. Muhammad Iqbal Lecturer	G.BSc.N (AKU), MSc Environmental Sciences (KU)
5.	Mr. Bakhtyar Ali Shah Lecturer	G.BSc.N (AKU), CT (ECBS), MPH (BMU), CHPE (KMU), CHR (Auditory, AKU) MHR (Enrolled,KMU)
6.	Mr. Muhammad Zubair Lecturer	Post RN BSc (Liaquat National Hospital SON (LUMHS Jamshoro).Khi.
7.	Mr. Imran Inayat Yousafzai Lecturer	G. BSc.N (Bahria University Islamabad) M.S.P.H (Quaid-e-Azam University Islamabad) PG-Cert HRHM (Edinburgh, U.K)
8.	Mr. Sardar Ali (Lecturer)	G.B.Sc N (Aga Khan University, Karachi), M.Sc N (University of Health Sciences Lahore), CFR (University of Health Sciences, Lahore), CHPE (Khyber Medical University Peshawar)
9.	Mr. Hidayatullah Khan Lecturer	MSc Nursing (LUMHS, JPMC Karachi) Post RN BSN (LUMHS, JPMC Karachi) Dip. (Post Basic Pediatric Health Nursing: Life Saving College of Nursing)
10.	Ms. Shahla Arshad Lecturer	Post RN BSN (University of Health Sciences-Lahore ) MSc Psychology (Bahauddin Zakariya University-Multan ) CHPE (Khyber Medical University Peshawar)
<b>Teaching Assistants</b>		
1	Muhammad Aurangzeb	G.BSc.N (Khyber Medical University Peshawar)
2	Awal Sher	G.BSc.N (Khyber Medical University Peshawar)
3	Zaffar Iqbal	G.BSc.N (Khyber Medical University Peshawar)
4	Aziz Ahmad	G.BSc.N (Bahria University Islamabad))

**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.AlamgirAfridi (M.A Pak Studies)
7. Ms.UlfatTasleem (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 STRATIGIES

- 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](http://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.

## DISTRIBUTION OF SEATS

### BS Nursing (04 Years Program)

- a) Open merit (KPK/FATA/PATA) **47 seats** (05 male 40 Female)
- b) Baluchistan **02 seats**
- c) FATA-IN Only **01 seat**

### Post RN (02 years Program)

- a) Open merit (KP/FATA/PATA): **49** (07 seats for male & 42 seats for female)
- b) FATA: **01 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 un-interrupted education [not passing exam] within the FATA.

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

- d. Class 1 to F.Sc. Premedical (both part-I and II).
- e. Class 1 to Matric with science (both 9th and 10th) & F.Sc. from anywhere outside FATA.
- f. 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.

- d. **Note: If the seats allocated for candidates from Baluchistan and FATA 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 2<sup>nd</sup> division)
2. Diploma in Midwifery for female nurses (at least 2<sup>nd</sup> division)
3. For male nurses one year diploma in any specialty registered with PNC, at least 2<sup>nd</sup> division (in lieu of Midwifery)
4. Complete and documentary evidence of 02 years' post specialty 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.

<b>Examination Test</b>	<b>Weightage</b>
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)**

<b>Fee Structure</b>	<b>1<sup>st</sup> Semester</b>	<b>2<sup>nd</sup> Semester</b>	<b>3<sup>rd</sup> Semester</b>	<b>4<sup>th</sup> Semester</b>	<b>5<sup>th</sup> Semester</b>	<b>6<sup>th</sup> Semester</b>	<b>7<sup>th</sup> Semester</b>	<b>8<sup>th</sup> Semester</b>
<b>Tuition fee</b>	38000	38000	39000	39000	40000	40000	41000	41000
<b>KMU Registration Fee</b>	1800	-	-	-	-	-	-	-
<b>PNC Enrolment Fee</b>	500	-	-	-	-	-	-	-
<b>Examination fee</b>	<b>As per examination rules</b>							

## 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
<b>TOTAL</b>		<b>750</b>	<b>21</b>	<b>TOTAL</b>		<b>800</b>	<b>22</b>

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				
<b>TOTAL</b>		<b>800</b>	<b>22</b>	<b>TOTAL</b>		<b>600</b>	<b>20</b>
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				
<b>TOTAL</b>		<b>600</b>	<b>20</b>	<b>TOTAL</b>		<b>600</b>	<b>20</b>

- 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 -1	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
<b>TOTAL</b>					<b>16</b>	<b>TOTAL</b>					<b>17</b>

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
<b>TOTAL</b>					<b>17</b>	<b>TOTAL</b>					<b>20</b>

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 Biostatistics	2.50		0.50	3.00
NU-303	Teaching/Learning Principles & Practices	3.00			3.00	NU-353	Behavioral Psychology	3.00			3.00
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 & Society	2.00			2.00
<b>TOTAL</b>					<b>18</b>	<b>TOTAL</b>					<b>18</b>

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		<b>4.00</b>	<b>1.00</b>	5.00
NU-404	Nursing Research	3.00			3.00						
NU-405	English VII	2.00			2.00						
<b>TOTAL</b>					<b>17</b>	<b>TOTAL</b>					<b>12</b>

**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) (02 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 year's programs. So far 3 batches of Post RN and one batch of BSN 4 years have been graduated. 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. Minimum 1- year experience for B.Sc Nursing post RN & Minimum 3-years (1-Year Internship+ 2years) experience for BSNursing 4years.
3. CGPA of not less than 2.5.
4. Valid PNC license.
5. Both male and female can apply.
6. Domicile open.

### **Selection Criteria**

1. Percentage of final professional examination to 40 marks.
2. Percentage of Entrance test to 30 marks. Passing marks in entry test will be atleast 60%
3. One mark per year of service in a recognized institution up to maximum of 5 marks.
4. Publication: : in HEC/PNC recognize journals maximum 5 marks
  - i. 1<sup>st</sup> author: 1.0 marks per paper
  - ii. 2<sup>nd</sup> & 3rd author: 0.5 marks per paper
  - iii. 4<sup>th</sup> 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).

**DISTRIBUTION OF SEATS:** The distribution of seats for M.Sc. Nursing program are as under:-

<b>Total:</b>	<b>20</b>
a. Open Merit	16 seats
a. Baluchistan	02 seats
b. FATA	02 seats

**Note: If the seats allocated for candidates from Baluchistan and FATA 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 examination rules			

### MSc Nursing Program Structure

Year-I, Semester-I		
Code	Course	Credit Hours
NU-611	Advance Nursing Theory	3
NU-612	Advance Health & Clinical Assessment	3
NU-613	Advanced Pathophysiology for common diseases	3
NU-614	Epidemiology	3
NU-615	Biostatics	3
Total		15
Year-I, Semester-II		
Code	Course	Credit Hours
NU-616	Nursing Research	3
NU-617	Nursing Leadership and management	3
NU-621	Nursing Eduction	3
NU-622	Ethics in Health Care	3
NU-623	English (Academic Writing)	3
NU-624	Graduate Seminar	3
Total		18
Year-II, Semester-III		
NU-625	Advanced Specialty Practicum in: 1. Leadership & Management 2. Education 3. Clinical / Community	8
NU-626	Advanced Pharmacology	3
NU-711	Proposal Writing	3
Total		14
Year-II, Semester-IV		
NU-712	Theoretical Concepts in Public/Community Health Nursing	3
NU-713	Thesis	8
Total		11

## 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 BS Nursing (04 years) and B. Sc. Nursing 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/community.
- 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. While at community visits they will wear white shalwar, Pink shirt (Chick lines), white coat, black shoes and ID card
  - 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 UNIVERSITY INSTITUTE OF  
PARAMEDICAL SCIENCES**



**Dauranpur, Peshawar  
Web: [www.kmu.edu.pk](http://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 professionals be produced having enhanced knowledge, skills and behaviors who should be able to add to healthcare delivery effectively and improve the services provision in Khyber Pakhtunkhwa Province (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 eight semesters (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 120 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 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 healthcare provision.

### **VISION**

The institute aspires to produce PhD scholars and M. Phil degree holding professionals and prove itself as hub of thorough 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 precisely trained, skilled qualified health professionals and enable themselves to work as thorough professionals. The IPMS KMU will endeavor to engage well qualified and committed faculty, applying modern teaching/ learning strategies to produce highly skilled and trained technologist to the healthcare system of Khyber Pakhtunkhwa province.

### **OBJECTIVES**

1. To prepare a cadre of healthcare technologists who can effectively assist senior health professionals in the delivery of quality health services.
2. To prepare skilled paramedical human resource for all levels of the healthcare delivery system from primary to tertiary care level.
3. To introduce and impart standard technical education with modern techniques, within the fields of medical technologies, by replacing the conventional methods of pre-service training (certificate level).
4. To provide paramedics a status and recognition in the healthcare delivery system through improving their capacity along with increasing awareness of their responsibilities and job description and bring them at par with other national and international standards.

## FACULTY

Management team and teaching faculty members comprising as follows:

S.No.	Name & Designation	Designation	Qualification
1.	Dr. Fazal Mahmood	Principal/Consultant	MBBS, DMRD(Part-I)
2.	Dr. Muhammad Ishaq	Assistant Professor	Ph.D
3.	Dr. Haji Bahadar	Assistant Professor	D-Pharm, Phd-Pharmacology
4.	Mr. Muhammad Jaseem Khan	Assistant Professor Medical Laboratory Technology	BSc MLT (Punjab), MSc (PMAS-AAUR), M. Phil (QAU) CHPE(KMU) Phd-Scholar
5.	Mr. Shaikh Atif Mehmood	Lecturer Radiology	BS Medical Imaging Technology(UHS) MSc, Ultrasound(BKU), CHPE(KMU),
6.	Mr. Muhammad Imran	Lecturer Cardiology Coordinator of the Institute	BS Cardiology(UHS), Certificate in Cardiac arrest, Hypothermia and Resuscitation Sciences (USA), Certificate in Social Epidemiology(USA) DHMS,BHMS(UOP), MS-Public Health(Imsciences), MSc Ultrasound (BKU), CHPE(KMU), MHR- Continue(KMU)
7.	Mr. Matiullah	Lecturer Anaesthesia	BS Anaesthesia (UOP), CHPE (KMU)
8.	Ms. Benish Islam	Lecturer Surgical Technology	BS Surgical Technology (KEMU), CHPE (KMU)
9.	Mr. Amanullah	Lecturer Medical Lab Technology	BSc Medical Lab Technology (BMU) MSc –Microbiology(UOK) M. Phil Microbiology (QAU), CHPE (KMU)
10	Mr. Muhammad AsifZeb	Lecturer Medical Lab Technology	BSc Medical Technology (BMU) MSc Haematology (BMU), CHPE (KMU)
11	Mr. Yousaf Khan	Lecture Renal Dialysis	BS Renal Dialysis Technology Sindh Institute of Urology and Transplantation(SIUT )Karachi CHPE (KMU)
12	Mr. Syed Hassan Askari	Lecturer Emergency & Intensive Care	BS Emergency & Intensive Care (UHS) CHPE (KMU)
13	Mr. Mukhtiar Ahmad	Lecturer Anaesthesia	BS Anaesthesia(University of Peshawar) CHPE (KMU)
14	Mr. Midrar Khan	Lecturer Radiology Technology	BS Radiology(University of Peshawar) CHPE (KMU)
15	Mr. Zahid Rehman	Lecturer Surgical Technology	BS Surgical(Sindh Institute of Urology and Transplantation(SIUT ) Karachi, CHPE (KMU)
16	Miss Asma Altaf	Lecturer Dental Technology	BS Dental Technology CHPE (KMU)
17	Mr. Muhammad Naveed Akhtar	Lecturer Dental Technology	BS Dental Technology
18	Mr. Saeed Ahmad	Lecturer Cardiology Technology	BS cardiology
19	Ms. Saima Shoaib	Demonstrator Cardiology	BS-Cardiology

20	Ms. Shahrukh	Demonstrator Dialysis	BS- Dialysis
21	Mr. Khalid Hafeez	Demonstrator Surgical	BS-Surgical Technology
22	Mr. Imdad Gul	Teaching Assistant Anesthesia	BS-Anesthesia
23	Mr. Iftikhar Ahmad	Office Manager	MBA
24	Mr. Janas Khan	Computer Lab Manger	
25	Muhammad Atif	Section Incharge	
26	Zahoor Hussain	Receptionist	BA

### Teaching Learning Resources

- Lecture Theatres
- Library
- Computer Laboratory
- Basic Clinical Teaching Laboratory
- Skills Development Laboratories
- 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
- Khyber Medical University Institute of Dental Sciences Kohat
- Institute of Kidney Disease, Hayatabad, Peshawar

### Student Counseling Service (SCS)

The student counseling service is a facility through which students are helped for study skills, career decisions, substance abuse, and personal problems such as anxiety or depression. Conselling committee comprises of two seior lecturers are providing these services.

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**

The campus is situated at Duranpur Peshawar in the state of the art building of Zulfiqar Ali Bhutto Paramedic Graduate Public Institute under an MOU signed between the Director PHSA and Registrar KMU duly countersigned by Secrtery Health and Vice Chancellor of Khyber Medical University. It is a purposebuilt building having a huge infrastructure with Class Rooms, Halls, Computer Lab, Skill Lab, Clinical Lab, Audoturium, Admin block and Mosque.

### **Security**

The campus is provided with good security arrangements and the services of security guards acquired from a reputed security company. They provide round the clock security services to the campus.

### **Computer Lab**

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



### **Canteen**

The campus has a canteen that serves during working hours. A stationery shop has also been established to cater for the immediate needs of students.

### **Transport**

The Institute provides limited transportation service to the local day scholars. Moreover, cabs, 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, Steel Grey pantaloon and white overall are mandatory, while for female white overall, white trouser with maroon shirt is compulsory. Every student will carry their own University/ Institute Identity Card duly displayed on his uniform.

### **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 themselves eligible to appear in the exam. This will be done with consent head of the institute and such case the student has to pay for extra classes.



### **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 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.
- 2) All examination/ assessments will be conducted according KMU rules and regulations. These rules are available on KMU website
  - 3) Promotion criteria for student to next semester as per KMU policy (available in KMU rules Regulations) available on KMU website.
1. **Registration:** Students are registered with Examination Section after the admission.

**ACADEMIC PROGRAMS:** IPMS offer BS (HONS) (4 years) program in following disciplines:-

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

## Admission Criteria

The candidates will apply on prescribed form available on KMU website, [www.kmu.edu.pk](http://www.kmu.edu.pk) . Only one form will be used for one program. If a candidate is desirous to apply to more than one programme, he/she should use separate form. Admission will be opened to all genders belonging to Khyber Pakhtunkhwa, FATA and PATA who have passed Higher Secondary Certificate Examination (F.Sc Pre-medical with minimum 50% marks and appeared in ETEA test purely in merit basis. F.Sc MLT (only for BS MLT) or possessing an equivalent qualification from a recognized board with minimum 50 % marks.

**For In-Service Candidates:** Two seat in each discipline will be reserved for the in-service employees subject to the condition that the applicants holds the F.Sc. Pre-Medical or possessing equivalent qualification from a recognized board/Institution with minimum 50% marks. A separate test will be conducted for in-service candidates.

**Note:** Two years post qualification experience as a technician in public sector hospital / institution is mandatory requirements for admission in BS paramedics program.

If the reserved seats are not filled by suitable candidates then it will be considered vacant and will be shifted to Open Merit.

**For F.SC. MLT candidates:** A separate test will be conducted for F.Sc MLT candidates.

Two (02) seats are reserved for F.Sc MLT candidates in the MLT program. If the reserved seats are not filled by suitable candidates then it will be considered vacant and will be shifted to open merit.

**Change of Discipline:** Students shall not be allowed to add or drop a course/change of discipline after the end of the second week of the first semester.

### The merit for admission is determined as follows:

	Weightage
Adjusted marks obtained in F.Sc or Equivalent examination	50%
ETEA Test marks	40%
Marks Obtain in S.S.C examination	10%
Selected candidates will be medically checked by institutional medical board for their fitness or otherwise	

Example: Calculation of marks for merit list.

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 =  $76.5 \times 0.1 = 7.65$

**DISTRIBUTION OF SEATS:** The distribution of seats for BS Paramedics (04 years) program are as under:-

S#	Discipline	Total Seats	DISTRIBUTION OF SEATS				
			Open Merit	FATA- IN	Baluchistan	In-Service	F.Sc. MLT
1	MLT	40	36	-	-	02	02
2	Dentistry	20	17	01	-	02	-
3	Cardiology	20	17	01	-	02	-
4	Anesthesia	20	17	01	-	02	-
5	Radiology	20	17	01	-	02	-
6	Surgical	20	17	-	01	02	-
7	Dialysis	20	17	-	01	02	-
8	Emergency	20	17	-	01	02	-
9	Intensive care	20	17	-	01	02	-

**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

- Class1 to F.Sc. premedical (both part-I and II).
- Class1 to Matric with science (both 9<sup>th</sup> and 10<sup>th</sup>) and F.Sc from any where outside FATA.
- 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 reserved for candidates from Baluchistan and FATA remain vacant, then these vacancies will be converted to open merit seats.

$$\text{Merit Score of the candidate} = a+b+c = 39.55+23.00+7.65= 70.2$$

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

#### FEE STRUCTURE FOR BS PARAMEDICS PROGRAM

Fee Structure	First Semester	Second Semester	Third Semester	Fourth Semester	Fifth Semester	Sixth Semester	Seventh Semester	Eighth Semester
<b>Tuition fee</b>	38000	38000	39000	39000	40000	40000	41000	41000
<b>KMU Registration Fee</b>	1800	-	-	-	-	-	-	-
<b>Examination Fee</b>	<b>As per examination rules</b>							



## Co-Curricular Activities & Study Tours



Vice Chancellor KMU Professor Dr. Hafizullah addressing and tagging badges to the Proctorial Board



Innuguration of Learning Recource center by Vice Chancellor KMU Professor Dr. Hafizullah



Group Photo of Staff Proctors of KMU-IPMS with Vice Chancellor KMU, Registrar KMU, Director AA and Chief Proctor KMU

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

Subject Name

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.E.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 proiect	12.00	0.00	100.00	0	
PMS408	Seminar	2.00	0.00	100.00	0	
PMS422	Anethesia 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 Phvsiologv-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 Phvsiologv-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	Hematologv-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	Cardionulmonarv Anatomv	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	Epidemiologv	2.00	0.00	100.00	0	
PMS366	Perfusion Technologv-II	3.00	0.00	100.00	0	
PMS443	Heart Diseases	3.00	0.00	100.00	0	
PMS447	Research Methodologv	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 proiect	6.00	0.00	100.00	0	
PMS408	Seminar	1.00	0.00	100.00	0	
PMS450	Subiect 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 Phvsiologv-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 Phvsiologv-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	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	Cardionulmonarv 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	Electrocardiography-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	Epidemiologv	2.00	0.00	100.00	0	
PMS442	Perfusion Technologv	3.00	0.00	100.00	0	
PMS443	Heart Diseases	3.00	0.00	100.00	0	
PMS447	Research Methodologv	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 proiect	6.00	0.00	100.00	0	
PMS408	Seminar	1.00	0.00	100.00	0	
PMS450	Subiect 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	Biochemistrv-I	4.00	0.00	100.00	0
PMS102	Human Phvsiologv-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 Phvsiologv-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
PMS206	Communication Skills	2.00	0.00	100.00	0
PMS254	Specialized Anatomy of Oral Cavity+Dental Morphologv-1	3.00	0.00	100.00	0
PMS255	Oral Histologv-I	3.00	0.00	100.00	0
PMS256	Chemistrv 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	Implantologv& Prosthodontics	4.00	0.00	100.00	0
PMS454	Maxillofacial Surgerv-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	Periodontologv-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 Phvsiologv-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 Phvsiologv-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	Hematologv-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
PMS353	Medical Emergencv-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 Emergencv -I	3.00	0.00	100.00	0
PMS435	Neonatal& Pediatric Emergencv	3.00	0.00	100.00	0
PMS437	Life Support & Resuscitation	3.00	0.00	100.00	0
PMS438	Shock Tvpes & its Management	2.00	0.00	100.00	0
		Semester 8			
SubjectID	SubjectName	Credit Hours	Mid %	Final %	Int Assmnt %
PMS406	Research Proiect	6.00	0.00	100.00	0
PMS446	Transnortation of Criticallv ill Patient	2.00	0.00	100.00	0
PMS452	Obstetrical Emergencv -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 Phvsiologv-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 Phvsiologv-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
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	Biochemistrv-I	4.00	0.00	100.00	0
PMS102	Human Phvsiologv-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 Phvsiologv-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
PMS203	Clinical Bacteriologv	3.00	0.00	100.00	0
PMS204	Haematologv-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	Biochemistry	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	Biostatistics	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	Biochemistrv-I	4.00	0.00	100.00	0
PMS102	Human Phvsiologv-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 Phvsiologv-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
PMS206	Communication Skills	2.00	0.00	100.00	0
PMS210	Regional and Radiological Anatomv-I	3.00	0.00	100.00	0
PMS211	General Radiologv	3.00	0.00	100.00	0
PMS212	Radiation Sciences and Technologv	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 Imageing	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 Phvsiologv-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 Phvsiologv-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 Phvsiologv 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 Adquacy	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 Phvsiologv-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 Phvsiologv-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
PMS206	Communication Skills	2.00	0.00	100.00	0
PMS207	Medical Microbiologv-I	3.00	0.00	100.00	0
PMS215	Surgical Instruments and Equipments	3.00	0.00	100.00	0
PMS216	Quality Assurance and Biosafetv	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 Setup 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 Gynaecology and 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 Opaerative Orthopedic Surgerv	3.00	0.00	100.00	0
PMS424	Clinical and Opaerative 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	Endoscoop and Robotic Surgerv	3.00	0.00	100.00	0
PMS428	Clinical and Operative Urologv 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 Proiect	6.00	0.00	100.00	0
PMS451	Pharma Relevant to Surgerv	2.00	0.00	100.00	0