

# PROSPECTUS 2014-15



## KHYBER MEDICAL UNIVERSITY

## 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

**2014-15**

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## Message from the Vice Chancellor

Khyber Medical University is rightfully proud of her accomplishments in a short span of time. Since her inception it has worked towards three cardinal goals – quality, access and relevance.

KMU is committed to excellence in academics and research in all health fields. Quality of medical education has been her main focus –starting from ‘Journey of Search and Research’ exploring new vistas along with all public sector medical colleges’ principals, to multiple workshops on medical education and seminars with national and international partners, it has culminated in developing ‘Masters in Health Profession Education’ with a mission to produce “innovators in medical education”. Fourth badge is being inducted and allied health teachers have been included this time.

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. Allied Health Sciences like Nursing, Paramedics and Physiotherapy continue to be university’s priority. More efforts are being underway to broaden the scope of public health. More than a score of students have earned MPhil in basic sciences and PhD program is being revamped. KMU Institute of Medical Sciences (KIMS) has seen expansion in her faculty, improvement of infrastructure and enhancement of seats in the last two years. Dental section that shall evolve into a full-fledged institute of dental sciences has been the first of its kind in southern districts of this province.

This year the admission in our undergraduate programs has been brought forward from spring semester to fall semester. This will save almost six months of the students who have to wait till February to start the classes.

Improving relevance of our courses remains a priority and is continuously being evaluated. All efforts are geared to develop all rounded and well groomed graduates to meet the demands of the society. We invest heavily in our programs to make them more relevant to the expectations of the nation.



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## **INTRODUCTION:**

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



## **KMU VISION**

We aspire to raise the status of Khyber Medical University to one of the leading national universities in the region - an institution recognized globally for excellence in learning, research; and supporting a community of health professionals committed to public service; and enabling the students to attain their true potential in becoming competent, caring, and inquisitive members of the healthcare team.

## **KMU MISSION**

- Creating learning opportunities for equipping all healthcare providers with knowledge, skills and behaviours to deliver the highest standards of health care;
- Promoting an environment of research and academic freedom informed with the principles of equal opportunity in the pursuit and application of knowledge;
- Aiming the highest level of intellectual, educational and research output and the establishment of a learning organization inculcating the highest of humanitarian values;
- Conducting examinations and developing valid assessment techniques for the evaluation of knowledge, skills and behaviours;
- Providing a supportive environment to promote an attitude of life-long learning to all healthcare providers for enhancing their knowledge, technical capabilities and improving their professional conduct;
- Promoting collaboration and partnership with other educational and health care institutions; and
- Advising and influencing the government, the public and the profession on healthcare issues.

## **KMU VALUES**

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

## **KHYBER MEDICAL UNIVERSITY ADMISSION REGULATIONS, 2008**

1. These regulations may be called **“The Khyber Medical University (Admission) Regulations, 2008”** in terms of **28(1)(c)** of The Khyber Medical University Act, 2006 (NWFP Act No. 1 of 2007).
2. These Regulations shall come into force at once.
3. In these Regulations, unless the context otherwise requires, certain common expressions shall have the same meanings as assigned to them under **Section 2** of the Khyber Medical University Act, 2006 (NWFP Act No. 1 of 2007).
  - a. **“Admission”** means enrolment of a qualified student in an approved discipline by an Admission Committee constituted by the Vice-Chancellor provided the admission so made is confirmed by the Vice-Chancellor for enrolment and registration under these Regulations.
  - b. **“Admission Committee”** means a committee appointed for the purposes of testing, interviewing and examining the suitability of candidates for admission and selecting candidates for admission for approval by the Vice-Chancellor under these Regulations.
  - c. **“Registration”** means the entry of the candidate enrolled in a class in the University Students Register by the Registrar after full verification of eligibility and particulars of a student after payment of prescribed fee and issue of a serially numbered Registration Card in token of completion of admission and the grant of privileges appurtenant to it.
  - d. **“Migration Certificate”** means the certificate of transfer of a student on roll in an institution within the jurisdiction of another University or Board of Intermediate and Secondary Education or any other teaching Institutes, constituent or affiliated college of the University with the consent of the respective institutions provided the student is eligible for admission under these Regulations otherwise.
  - e. **“Transfer Certificate”** means the certificate granted to a student of having attended a college or teaching Institute within the jurisdiction of this University for admission in a corresponding class in another college or University teaching Institute within the jurisdiction of this University.
4. Admission to higher education level not being a matter of right shall be selective on the basis of merit, aptitude and ability to benefit from a particular stream of learning and subject to availability of academic and physical facilities but it shall be without any discrimination on account of caste, creed, colour or sex with the exception in case of reservations on account of belonging to a particular segment of population as may be determined by the Syndicate in each case.
5. As far as possible seats for each class shall be fixed well in advance before the beginning of each session and announced by public notice.
6. Applications for admission in any degree program of the university shall be invited by the Director Admission through advertisement by the University Teaching Institutes and by the Principals of Affiliated Colleges for the stipulated number of seats in the prescribed form to reach the Head/Principal of the Institute for concerned by the fixed date.
7. Applications for admission in any degree program of the university class in the prescribed form and complete in all respects must reach the office of the Head of the institute concerned within 30 days of the advertisement.
8. A candidate may apply for admission in more than one subject and each application shall indicate the degree program applied for.
9. Applications for admission will be scrutinized by an Admission Committee consisting of at least two members to be appointed by the Vice Chancellor from the University teaching Institutes and by principals in the case of colleges. In the case of postgraduate classes in affiliated colleges, two members shall be nominees of the Vice-Chancellor

- 10.** All admissions shall be made strictly on merit. The Admission Committee shall prepare and notify a statement indicating the relevant weight assigned to the following factors of merit on the basis of which admissions shall be granted
- (a) Performance of the candidates in the last examination.
  - (b) Marks in the subject concerned
  - (c) Performance in the interview.
  - (d) Any other factor that the Admission Committee may consider relevant.
- 11.** If any candidate fails to appear before the Admission Committee for an interview at the fixed time he/she shall not be considered for admission.
- 12.** Admission granted by the Admission Committee shall be provisional and will not mean any commitment or entail any legal liability till it is confirmed by the Vice Chancellor and the registration by the university is completed.
- 13.** In case of doubtful or undefined validity of any academic qualification as equivalent to a recognized examination the provisional admission will be subject to the verification or recognition of the qualification by the Equivalence Committee of the Academic Council.
- 14.** Within 15 days of completion of admissions the name, parentage, date of birth, examination passed with year, Roll number, marks, division, institution last attended and the course to which a candidate has been admitted shall be reported to the Vice-Chancellor in the prescribed form with the recommendations of the Admission Committee after due verification of the particulars of candidates and payment due from them, for approval by the Vice-Chancellor and registration in the University, Students Register for issue of Registration Card etc.
- 15.** Late admission up to one week after the last date of admission may be allowed by the Vice-Chancellor on the recommendation of the Admission Committee under these regulations subject to the availability of seats and on the payment of a late fee of Rs. 5000/- in addition to the prescribed registration fees.
- Late admissions will however, be allowed only in case of illness certified by a registered medical practitioner, accident involving confinement in hospital certified by the Medical Superintendent of the hospital concerned, an act of God or any other circumstance beyond human control duly verified by the Admission Committee.
- 16.** All applications shall have the following enclosures
- a. Photostat attested copies of the certificates of examinations passed and detailed marks certificates.
  - b. Character certificate from institution last attended or in case of private candidate a certificate of good character signed by a Magistrate First Class, Councillor of District Govt., Nazim or MPA of the area, a Notary Public or Headmaster / Mistress of the High School or any other officer of the Education Institute of equal or higher rank.
  - c. Income certificate from the guardian's employer or revenue or Income Tax Officer or a Magistrate first class or an affidavit attested by a Notary Public.
  - d. Medical certificate from a registered medical practitioner holding at least a MBBS degree from a recognised University.
  - e. Three passport size photographs.
  - f. Migration certificate in the case of students who have passed the last qualifying examination from some other University of Pakistan.
  - g. Original documents shall be produced at the time of interview.
- 17.** All applications must be sent by Registered A.D. Post or by hand so as to reach the Director Admission / Principal of the College before the last date of admission.
- 18.** Every application should be accompanied by a declaration by the applicant, countersigned by his guardian that he would abide by the Statutes, Rules and Regulations of the University and instructions

to him from time to time by his teachers and the Vice-Chancellor, Dean of Faculty, Chairmen of the Institutes and the Principal of the College.

**19. Eligibility:-** Admission to the Masters degree programs of the university class shall be open to the candidates who have passed the bachelors examinations of the University or any other recognized University, securing at least 50% marks in the aggregate or the subject in which the applicant is seeking admission in Masters degree program.

**20.** Candidates passing bachelor degree in the supplementary examination shall not be eligible for admission to Master programs in the same year.

**21.** Foreign students shall be eligible for admission only if their cases are processed by the Federal Ministry of Education before the 1<sup>st</sup> of September of the relevant session in which admission is sought and if they obtain 75% marks in the qualifying examination from a recognized Foreign Institution or at least 2<sup>nd</sup> Division from a Pakistani Institution.

**22.** Admission in each next semester of degree program shall be subject to the qualification of previous semester.

**23.** Student who has completed the prescribed number of lectures and practical of a semester of degree program of the university at any level, shall not be allowed for re-admission to the same semester regardless whether he under take his final examination for that semester.

**24. Admission by Migration / Transfer: -** Admission may be allowed at any time of the year by migration of a student from any other University to this University in a corresponding class provided

- (a) The applicant produces a migration certificate from the University last attended along with a statement of total number of lectures delivered in the class and attended by the applicant along with a character certificate.
- (b) That the Head of the Institute or the Principal concerned is agreeable to accept the applicant and has the necessary academic and physical facilities for the original combination of subjects or papers offered by the applicant at the time of his original admission.
- (c) That the migration is applied for on account of transfer of father/guardian, change in financial circumstances or change of climate recommended by a registered MBBS doctor.
- (d) That prior permission is obtained from the Vice-Chancellor for such admission and a candidate fulfils the conditions of admission laid down in these regulations.
- (e) Has deposited Rs: 5000/- as migration fee for degree programmes other than MBBS/BDS and Rs: 50,000/- for MBBS/BDS for intra university institutes and Rs: 100,000/- for other universities, whether local of the other province or foreign.

**25.** Admission may be granted to candidates for transfer to the corresponding class from one affiliated college of this University to another, or from the University Teaching Institute to an affiliated college of this University or vice-versa provided

- (a) Such a transfer is mutually agreed to by Heads of Institutes or Institution concerned.
- (b) The transfer is applied for on account of transfer of father/guardian, change of financial circumstances or change of climate recommended by a registered MBBS doctor.
- (c) All such transfers shall be reported to the Academic and Examination Sections of the University.

**26. Re-admission:-** If a student on the rolls remains absent from class continuously for 14 days or more without a reasonable cause, he will be liable to be struck off the rolls of the Institute or college. Such student may be re-admitted only in case the Admission Committee is satisfied that the absence was not willful or was due to circumstances beyond human control, provided such an application is submitted within 15 days after the order of the removal of student from the roll. Re-admission fee of Rs. 1500/- shall be charged and credited to the University Fund.

**27. Miscellaneous: -** If any of the particulars given by the candidate in his application for admission is found incorrect or false or facts suppressed he shall be refused admission. If incorrect or

false statements or the suppression of facts are detected after a candidate has been granted admission, his admission shall be cancelled and he may be expelled from the University.

**28.** In all cases where these regulations are silent or where there is difference of opinion about their interpretation, the instructions of the Vice-Chancellor shall be final provided they are not inconsistent with these regulations.

**29.** A candidate / person convicted of any offence in a Court of Law including moral turpitude and having served a sentence in a Jail is debarred from seeking admission in the University.

## **FEE SUBMISSION POLICY**

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

**Note: The University has the rights to increase the fee at a rate of 10 % annually.**

## **FEE REFUND POLICY OF KMU**

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

**For students who are offered admission after the commencement of classes, the date of deposition of fee considered as date of commencement of classes for fee refund.**

## **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:** Human Resource Development is one of the priorities in all the professions. Nonetheless, it is a known fact, that the Health Human Resource Development has been neglected over the period of time, specifically in terms of auxiliary health professionals encompassing nursing and paramedics, irrespective of the fact that these form the basic pillars of the any Health Care System. Khyber Medical University has taken up the challenge to produce highly qualified and skilled Human Resource enabling them to compete in the global health market by providing them the opportunity to build their capacity and learn the modern technologies through various programs in Medical and Allied Health Sciences offered at its Campus. The University is supporting the Health Department to achieve one of the crucial objectives of the Millennium Development Goals by producing sufficient health human resource to capitalize the standards laid for Health Sector.

Being a new university, there are limited resources to provide scholarships to these students. However the university administration have decided to allocate 40% profit of the endowment

fund of the university and 25% of residual balance of all receipts of the university for awarding need based and merit scholarships.

Khyber Medical University in its limited resources provide financial assistant and merit awards to needy and outstanding performers as majority of the students enrolled in the University belong to war affected areas of the province and FATA regions.

2. **KMU MERIT AWARDS:** In order to recognize merit and encourage academic competition among students. The Khyber Medical University awards the prizes for the position holders (i.e. 1<sup>st</sup>, 2<sup>nd</sup>& 3<sup>rd</sup>) as per following details:-

1<sup>st</sup> Position Holder: Rs. 10000/-

2<sup>nd</sup> Position Holder: Rs. 5000/-

3<sup>rd</sup> Position Holder: Rs. 3000/-

3. **HEC NEEDBASED SCHOLARSHIPS:** A total of 14 scholarships were awarded in FY 2012-2013 and 6 more in the FY 2013-2014 for the students of seven constituent institute of Khyber Medical University at undergraduate and graduate level by Higher Education Commission (HEC) which aims to elevate the socio-economic position of the needy & deserving students by providing access to quality education through needs-based scholarships. Government of Pakistan (GOP) has also duly acknowledged the financial constraints barring students from acquiring higher education and has thus earmarked substantial funds for the improvement of education sector.

**OBJECTIVES:**

- I. To provide an opportunity for talented students who are financially disadvantaged and are incapable of meeting higher education costs at partner institutions /universities in all disciplines.
  - II. To provide opportunities for academically qualified, yet financially needy, Pakistani students to continue university studies in selected partner universities of Pakistan, especially from remote and rural areas of Pakistan (FATA, Khyber Pakhtunkhwa, Southern Punjab, Balochistan, and Northern Sindh).
4. **USAID NEEDBASED SCHOLARSHIPS:** A total of 44 scholarships at undergraduate level will be awarded in year 2014 by The Higher Education Commission in partnership with the United States Agency for International Development (USAID) has been offering Scholarships of financially disadvantaged students to study Agriculture and Business Administration Programs since 2004. The USAID is committed to play its role in the progress and development of the higher education sector especially in the fields of energy, agricultural sector, economic development and humanitarian assistance.

**OBJECTIVES:**

- I. To enable the academically qualified, yet financially needy, Pakistani students to continue university studies in selected private and public universities of Pakistan in the fields of Agriculture, Medical, Business, Social Science and Engineering.
- II. To enhance the institutional capacity of the Higher Education Commission of the Government of Pakistan and local public and private sector universities in designing and implementing MNBSP Phase II.

- 5. PRIME MINISTER TUITION FEE PAYMENT SCHEME:** The scheme is focused on enhancing opportunities for access to higher education especially to talented but financially constrained students belonging to far flung and less developed areas of the country who despite possessing academic merit, are unable to finance their education.
- The Higher Education Commission, Islamabad support the educational sector of the following less developed areas of Khyber Pakhtunkhwa and FATA and pay their tuition fee of these areas studying in Masters, M.Phil in the Public Sector Universities of their respective area of domicile and for PhD all Public Sector Universities of Pakistan.

<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

**USAID/SAVE THE CHILDREN SCHOLARSHIP:** The ‘USAID/Save the Children’ scholarship sponsored the students of Master in Public Health and M.Sc. Epidemiology & Biostatistics Programs. The selected candidates from all the seven districts of Malakand Division and four agencies of FATA i.e. South Waziristan, Orakzai, Bajour and Mohmand Agency.

#### **SCRUTINY COMMITTEE FOR ALL PROGRAMS**

- |   |                  |
|---|------------------|
| 1. Director / Principal/Head of the Institute           | <b>Chairman</b>  |
| 2. Two Faculty member (Against each discipline offered) | <b>Member</b>    |
| 3. Office Manager/Section Incharge/ Office Assistant    | <b>Secretary</b> |

#### **ADMISSION COMMITTEE FOR ALL PROGRAMS**

- |   |                             |
|---|-----------------------------|
| 1. Director Academics, Admission and Quality Assurance                              | <b>Chairman</b>             |
| 2. Director/Principal of the concerned Institute                                    | <b>Secretary-cum-Member</b> |
| 3. One Senior Faculty member from each department (Against each discipline offered) | <b>Member</b>               |

#### **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           | <b>Chairman</b>             |
| 2. Registrar, KMU                 | <b>Member-cum-Secretary</b> |
| 3. Controller of Examination, KMU | <b>Member</b>               |

#### **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 to admission.
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.

## THE KHYBER MEDICAL UNIVERSITY SEMESTER SYSTEM EXAMINATIONS REGULATIONS 2009

1. These regulations may be called “**Khyber Medical University (Semester System Examinations) Regulations, 2009**” in terms of **24(2)(c)** read with **28(1)(e)** of **The Khyber Medical University Act, 2006 (N-W.F.P. Act No. 1 of 2007)** in addition to and not in derogation of “**Khyber Medical University Examinations Regulations, 2008**”.
2. These Regulations shall come into force at once.
3. In these Regulations, unless the context otherwise requires, certain common expressions shall have the same meanings as assigned to them under **Section 2** of the Khyber Medical University Act, 2006 (NWFP Act No. 1 of 2007).
  - a. “**Academic Calendar**” means a written academic activities schedule as provided under **Regulation 4(2)** of these regulations.
  - b. “**Credit Hour (C.H)**” means 50 minutes teaching session per week per semester.
  - c. “**Cumulative Grade Point Average (C.G.P.A)**” means cumulative grade point average as provided under **Regulation 10(4)** of these regulations.
  - d. “**Fall Semester**” means an academic semester started from the month of September and ended in the month January of an academic year.
  - e. “**Grade Point Average (G.P.A)**” means a grade point average as provided under **Regulation 10(3)** of these regulations.
  - f. “**Letter Grade (L.G)**” means a grade provided under this heading in **Regulation 10(1)** of these regulations.
  - g. “**Numeric Grade (N.G)**” means a grade provided under this heading in **Regulation 10(1)** of these regulations.
  - h. “**Spring Semester**” means an academic semester started from the month of February and ended in the month June of an academic year.
  - i. “**Summer Session**” means a special semester offered by a department / institution / college, as the case may be, to meet the credit hours deficiencies or courses deficiencies during summer vacations.
4. **Conduct of Semesters:** (1) There shall be two regular semesters in an academic year. Each semester will be spread over 18 weeks with inclusion examinations i.e.
  - I. Spring Semester: February – June
  - II. Fall Semester: September – January(2) The University will publish a schedule according to the format given in **Schedule-I** of these regulations, of the complete academic year for its Fall, Spring and Summer semester (if any) for the convenience of students and faculty members mentioning the following:
  - i. Semester starting date;
  - ii. Holidays during the semester;
  - iii. Mid-term examination date;
  - iv. Semester termination date;
  - v. Final term examination week(3) Students shall be responsible to meet the requirements and deadline published for each semester in the academic calendar of the university. Students will also be expected to know and adhere to the rules, regulations, course loads, prerequisites, and policies of the university, as well as those of the departments / institutes in which they are enrolled.
- (4) Attendance in classes is normally considered mandatory, especially in a semester system. Minimum attendance in a course required to obtain a passing grade in that course shall be 75%

(5) If a student fails to attend any lecture during the first four weeks after the commencement of the semester as per announced schedule, his/her admission shall stand cancelled automatically without any notification.

**5. Scheme of Studies under Semester System:** The following shall be scheme of studies for two years Master's degree programs and professional degree programs, respectively

**I. Four Semesters Masters Degree Program;**

i.	<b>Total No. of Credit Hours</b>	:	60
ii.	<b>Semester Duration</b>	:	18 weeks;
iii.	<b>Program Duration</b>	:	2 years
iv.	<b>Number of Regular Semesters</b>	:	4
v.	<b>Number of Summer Sessions</b>	:	one (if so required)
vi.	<b>Course Load per Semester</b>	:	12 Credit Hours

**I. Eight Semester Professional Degree Programs;**

i.	<b>Total No. of Credit Hours</b>	:	142
ii.	<b>Semester Duration</b>	:	18 weeks;
iii.	<b>Program Duration</b>	:	4 – 5 years as per requirements
iv.	<b>Number of Regular Semesters</b>	:	8 – 10 accordingly
v.	<b>Number of Summer Sessions</b>	:	two (if so required)
vi.	<b>Course Load per Semester</b>	:	12 Credit Hours

**6. Courses Credit Hours:** (1) Each course in a semester shall be of 3 Credits hours and the length of the lectures shall be 3 hours per week in the form of three 1-hour lectures per week or two 1.5 hour lectures per week as the Instructors / institutions may deemed necessary.

(2) Islamiyat and Pakistan Studies compulsory for bachelor Level shall be of one credit hour each.

(3) Research Project / Thesis if applicable for any program shall be of six credit hours and its weight shall be included in Final Semester.

(4) Student has to submit the final copy of his/her thesis duly approved by his/her supervisor to the Examinations Section of the University, within 40 days after the last paper of Final Term Examination.

**7. Semester Examination:** (1) All semester examinations except final degree awarding semester shall be conducted by the Department / Institutions / College, as the case may be.

(2) In each semester, students shall be required to appear in quizzes, mid-terms, final examination, give presentation, participate in group discussion, and submit projects / assignments / laboratory reports, where ever applicable. These shall have different weight contributing towards the overall assessment in percent marks and be determined by the teacher / instructor concerned, according to **Regulation 8** of these regulations. This weight shall be determined, on the basis of the following instructions:

i. In case a student joins a course after it has started, he/she shall be responsible for any missed quizzes, assignments and lectures. The marks in missed quizzes etc. shall be considered zero while make-up tests, assignments, projects and labs can be arranged in consultation with the teacher / instructor / head of department / institution, whatever the case may be.

ii. There shall be no Supplementary / Special Examination in a Semester System; if a student fails in a course, he/she is required to repeat it.

iii. In case a student repeats the course which has already been taken, the old grade will be substituted with the new grade, (for CGPA calculation) and both the grades will reflect on his / her transcript, i.e. old course grade and new course grade.

(3) Instructor / teacher of each course in semester shall be bond to submit students' evaluation profile according to the format given in Schedule-II of these regulations.

**8. Distribution of Marks: (1)** Overall 20% marks in each subject shall be awarded for internal evaluation. The distribution of 20% shall be as follow;

- a) Stages : 5%
- b) Quizzes / Class Tests : 5%
- c) Assignments : 5%
- d) Attendance : 5%

(2) (a) For all semesters of Bachelor Level programs except Final Semester shall be distributed as follows;

- a) Mid Term Examination : 30%
- b) Final Term Examination : 50%
- c) Quiz / Tests / Assignments / Presentations: 20%

(2) (b) For all semesters of Master Level Programs except Final Semester shall be distributed as follows;

- a) Mid Term Examination : 25%
- b) Final Term Examination : 50%
- c) Quiz / Tests / Assignments / Presentations: 25%

(3) All scripts and records shall have to be submitted to the Examination Section of the University.

(4) Final Degree Awarding Semester shall be conducted by the University with following marks distributions;

- a) Quiz / Tests / Assignments / Presentations : 20%
- b) Final Term Exam : 80%

(5) For any level (Bachelor or Master), the Final Term Examination of any semester, if desired by the Controller of Examination can be conducted by the Examination Department of KMU directly. The Controller of Examinations can ask more than one set of question papers from the respective teachers. The Final paper setting will be under discretion of the Controller of Examinations, KMU.

**9. Promotion to Next Semester:** Requirement for promotion to next semester shall be as follow;

I. Four Semesters (two years) Master Degree Programs;

	Promotion to Next semester	Requirement
1.	From 1 <sup>st</sup> to 2 <sup>nd</sup>	Passing 50% subject, fraction being counted as one i.e. 3 out of 5, or 3 out of 6 subjects.
2.	From 2 <sup>nd</sup> to 3 <sup>rd</sup>	Passing all subjects of 1 <sup>st</sup> Semester (if available) and 50% of the 2 <sup>nd</sup> Semester.
3.	From 3 <sup>rd</sup> to 4 <sup>th</sup> (final degree awarding semester).	Passing all subjects of all previous semesters.

II. Maximum six semesters' duration shall be allowed for a student to qualify the four semester's Masters Degree programs. The Academic Council may, on the written request of the student duly recommended by head of the institution, further extend upto two semesters with imposition of a fine which shall be double of the prescribed fee for the enrolment of the relevant degree program's semester.

III. For Eight Semester (four years) Professional Degree Programmes: The following shall be requirements for promotion to next semester;

	Promotion to Next semester	Requirement
1.	From 1 <sup>st</sup> to 2 <sup>nd</sup>	Passing 50% subject, fraction being counted as one i.e. 3 out of 5, or 3 out of 6 subjects.
2.	From 2 <sup>nd</sup> to 3 <sup>rd</sup>	Passing all subjects of 1 <sup>st</sup> Semester (if available) and 50% of the 2 <sup>nd</sup> Semester.
3.	From 3 <sup>rd</sup> to 4 <sup>th</sup>	Passing all subjects of 1 <sup>st</sup> & 2 <sup>nd</sup> Semesters (if available) and 50% of the 3 <sup>rd</sup> Semester.
4.	From 4 <sup>th</sup> to 5 <sup>th</sup>	Passing all subjects of 1 <sup>st</sup> , 2 <sup>nd</sup> & 3 <sup>rd</sup> Semesters (if available) and 50% of the 4 <sup>th</sup> Semester.
5.	From 5 <sup>th</sup> to 6 <sup>th</sup>	Passing all subjects of 2 <sup>nd</sup> , 3 <sup>rd</sup> & 4 <sup>th</sup> Semesters (if available) and 50% of the 5 <sup>th</sup> Semester.
6.	From 6 <sup>th</sup> to 7 <sup>th</sup>	Passing all subjects of 3 <sup>rd</sup> , 4 <sup>th</sup> & 5 <sup>th</sup> Semesters (if available) and 50% of the 6 <sup>th</sup> Semester.
7.	From 7 <sup>th</sup> to 8 <sup>th</sup> Final degree awarding in case of 4 year professional degree program	Pass of all subjects of previous all semesters.

- IV. Maximum twelve semesters' duration shall be allowed for a student to qualify the eight semesters (four years) professional degree programs. The Academic Council may, on the written request of the student duly recommended by head of the institution, further extend up to two semesters with imposition of a fine which shall be double of the prescribed fee for the enrolment of the relevant degree program's semester.

10. **Grading:** (1) (a) The following grading system shall be applicable to Bachelor Level semester examinations

Marks Obtained (%)	Letter Grade (LG)	Numeric Grade (NG)
Below 60	F	0.0
60 – 64	C	2.0
65 – 69	C+	2.5
70 – 74	B	3.0
75 – 79	B+	3.5
80 – 89	A	4.0
90 – 100	A+	4.0

- (1) (b) The following grading system shall be applicable to Master Level semester examinations

Marks Obtained (%)	Letter Grade (LG)	Numeric Grade (NG)
Below 60	F	0.0
60 – 69	C	2.0
70 – 78	B	3.0
79 – 84	B+	3.5
85 and above	A	4.0

- (2) **Calculation of Semester Grade Point (GP):**  
Grade Point (GP) for single course = Numeric grade (NG) x Credit Hours (C.H)
- (3) **Calculation of Semester Grade Point Average (GPA):**  
Sum of Grade Points of one semester ÷ Sum of Credit Hours of that semester

- (4) **Calculation of Cumulative Grade Point Average (CGPA):**  
Sum of GPs of all the subjects / semester ÷ Sum of Credit Hours taken in all Semesters
- 11. Student Grievances Against any Course Instructor:** (1) There shall be a three to four members Students Grievance Committee in each department / institution / college, as the case may be, to be notified by the Controller of Examinations of the University with the consent of the relevant administration of the department / institution / college.
- (2) The Committee will be headed by senior most faculty member amongst the members.
- (3) The Committee will redress the grievances of the students about any course instructor or grades or for any other relevant issue
- (4) A student must approach the Head of the Institute for a grievance on grade within 5 days of the receipt of the grade. The Head of the Institute / Department shall forward the grade grievance to the Committee and it shall be mandatory on the Committee for hearing both sides (student and the instructor), and shall give a final decision within 5 days or before the start of registration for the new semester whichever comes early. The decision of the Committee shall be final.
- 12. Random Checking:** (1) There shall be a University Semesters Examinations Evaluation Committee (USEEC), constituted and notified by the Controller of Examinations, whether a single committee or different committees for different departments / institutions / colleges, which shall be comprised of three Faculty Members of the relevant Degree program to check, randomly, a few papers of any semester examinations for uniformity of scoring & covering of the course content.
- (2) The result of each semester examinations shall be submitted to the University examination section well before the commencement of final degree awarding semester for consideration and issuance of final transcript to the successful students for award of degree.
- 13. Instructors Evaluation:**
- (1) Each student in a semester shall be bound to give feedback regarding the course instructors through a prescribed mechanism.
- (2) Any student, who failed to do so, shall be fined Rs: 1000/- by Head of the department and such fine shall be credited to the general receipt account of the university/treasurer.

## QUALITY ENHANCEMENT CELL

### Vision

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

### Mission

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

### Introduction

Quality Enhancement Cell of Khyber Medical University was established in 2009 in the third phase of establishing QECs under the umbrella of Quality Assurance Agency of Higher Education Commission.

After completion of project period KMU took over the QEC as its one of the permanent department of the university.

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

QEC KMU Established in 2009			
S #	Staff	Date of Joining of QEC KMU	
1.	Dr. Jamil Ahmad Director	October,2010	
2.	MS. Asiyah Bukhari Deputy Director	April,2011	
3.	Mr. Sahir Atiq Data Analyst	April,2010	
4.	Mr. Sajjad Ul Hassan Office Assistant	December, 2012	

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

In the period of 2012-2013 following major tasks have been accomplished:

Title	No	Title	No
Assessment of Academic Programs (SAR)	19 Programs	Development of Assessment Reports. Implementation Plans approved	19 each
Constitution of Program and Assessment Teams for Academic programs.	19 Teams	Seminar / Workshops organized	45
Teachers Evaluation	05 Times	Faculty Satisfaction Survey	09
Course Evaluation	03 Times	Feedback from Graduating students	05
Membership with International Agencies	03	Organized National Events through Video Conference session among 85 QECs.	13



Quality Enhancement Cell of Khyber Medical University is engaged in accomplishments of targets set to create quality culture in the University with the advanced practices of quality enhancement. During the period of **2011-2013** QEC performance graph is increased and ranked at highest category W and strives to maintain its category W.

## OFFICE OF RESEARCH INNOVATION & COMMERCIALIZATION (ORIC)

### Office of Research Innovation & Commercialization

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

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

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

### Strategic Objectives of ORIC KMU

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

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

Some of the aspects of ORIC focus on undergraduate are that ORIC has done review of curriculum of medical institutions to involve research as an active component and subject. The office also applied the ranking of medical institutions based upon quality and quantity of research produced each year, a regular program of providing updates on clinical sciences for medical students and a one full day in the Annual Health Research Conference has been dedicated to undergraduate level to provide them maximum motivation and involvement.

At the postgraduate level, the ORIC KMU is highly motivated to improve the capacity of the researchers at both public and private levels. Major activities of ORIC for postgraduate level are a series of Research Methodology & Proposal Development, Biostatistics and SPSS Workshops, Workshops on End Note, one

dedicated day to Annual Health Research Conference, twice yearly workshop on Bioethics and twice yearly workshops on Emergency Medicine. In addition to above mentioned series of workshops, ORIC KMU is also looking after a Masters program in Health Research and a Certificate program in Health Research for those who are highly motivated and enthusiastic in building careers in Health Research and biostatistics.

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

### **CURRENT ACTIVITIES OF KMU ORIC**

1. Conducting KMU-Annual Health Research Conference each year since 2009.
2. Offering a series of workshop for capacity building in research, statistics, proposal development, thesis writing, grant writing, medical writing, medical ethics, emergency medicine, clinical audit.
3. Offering a Certificate in Health Research course (10 days interactive course on proposal development and biostatistics) every month.
4. Offering a Masters in Health Research Program (2 years degree program) covering major areas within research and statistics.

### **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:

- 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
- Start up of Research Grants for KMU students and Faculty
- Setting up of Monitoring & Evaluation Cell in ORIC office
- Identification of Key Research Areas
- Capacity Development Workshops (research) for KMU Faculty and affiliated institutes
- MoU between KMU and Directorate of Science and Technology for mutual cooperation in research
- Developing Linkages with Health Institutions of Afghanistan.

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



## 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 KIMS

## ADMISSION POLICY

### General Policy Important Notes

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

1. KIMS, Kohat offers five years course leading to MBBS degree and 4 years course leading to BDS degree.
2. This is approved by the KMU and applies to all students of MBBS/BDS applying for admission or admitted to KIMS.
3. An Admission Committee to be constituted by Principal KIMS and approved by the Vice Chancellor KMU, will supervise the overall process of admission.
4. 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 variety of reasons and as per KMU rules.
5. Intending students will submit applications for admission on prescribed forms to be downloaded from website 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.
6. 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.
7. 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.
8. Incorrect information or suppression of facts in application form shall entail refusal of admission.
9. A student convicted of any offence and / or having served a sentence in jail will not be eligible for admission.
10. The candidates shall have to keep themselves informed of the prescribed date of interview / admission. No separate call letters will be issued for interviews or admission confirmation. The provisional merit list will be displayed on the KIMS Notice Board and KMU website ([www.kmu.edu.pk](http://www.kmu.edu.pk)) on the schedule dates as mentioned in the admission advertisement.
11. Admission will be given after the deposition of fees, others dues and medical fitness.
12. 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.
13. No candidate will be considered admitted unless he / she pay the fee and dues.
14. Absence from classes for four consecutive weeks from the date of admission without any genuine reason shall entail cancellation of admission.

## SEATS DISTRIBUTION

A total of 100 seats in MBBS & 50 seats in BDS are offered in KMU-IMS Kohat. The distributions of the seats are as follow:-

MBBS		BDS	
Allocation	No. of Seats	Allocation	No. of Seats
Subsidized (Open Merit) KPK, PATA, FATA	<b>72</b>	Subsidized (Open Merit) KPK, PATA, FATA	<b>37</b>
Subsidized (FATA) IN	<b>03</b>	Subsidized (FATA) IN	<b>01</b>
Semi Subsidized (Open for all KPK, FATA, PATA)	<b>20</b>	Semi Subsidized (Open for all KPK, FATA, PATA)	<b>09</b>
Foreign Self Finance	<b>05</b>	Foreign Self Finance	<b>03</b>
<b>Total</b>	<b>100</b>	<b>Total</b>	<b>50</b>

Note: semi- subsidized to be decreased and foreign self finance increased

1. Subsidized open merit seats are open to applicants possessing valid domicile certificate of KPK including backward areas of Khyber Pakhtunkhwa, PATA and FATA.
2. 03 seats are reserved for FATA-IN candidates possessing valid FATA domicile certificate.
  - i. Admission to **FATA-IN** seats will be made purely on the basis of **inter se merit** among the contesting **FATA-IN** candidates.
  - ii. Admission of FATA candidates to KIMS shall not be subject in any way to rules and regulations of SAFRON / FATA secretariat Khyber Pakhtunkhwa.
  - iii. FATA candidate shall apply against subsidized as well as on semi subsidized seats
3. Admission to seat of **FATA-IN** shall be made on the basis of the following priority of obtaining uninterrupted education [not passing exam] within the FATA.  
The following criterion of priority shall be applicable to **FATA-IN** candidates
  - a. Class 1 to F.Sc premedical (both part-I and II).
  - b. Class 1 to Matric with science (both 9th and 10th) & F.Sc from anywhere outside FATA.
  - c. Class 1 to Middle & Matric and F.Sc from anywhere outside FATA.
4. In case no candidate is available from the given list of priorities, then admission shall be granted on the basis of merit.

### FOREIGN SELF FINANCE SEATS:

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

- i. He/she holds a permanent foreign nationality and also fulfills the admission criteria laid down by Higher Education Commission, Government of Pakistan, Islamabad.
- ii. He/she should also fulfill the admission criteria of Khyber Pakhtunkhwa public sector medical/dental colleges.

Foreign candidates seeking admission against foreign Self-Finance seats in Khyber Pakhtunkhwa Medical/Dental Colleges shall submit their applications through their own Government/Embassy to the Higher Education Commission Islamabad who will make necessary selection and allocation of seat. Nomination of the selected candidates for MBBS/BDS course against foreign seats will be communicated to the college concerned directly by Higher Education Commission Islamabad with a copy to Secretary Health, Govt. of Khyber Pakhtunkhwa.

- iii. The selected candidates against these seats must reach the concerned college at least 15 days from start of classes.

**Note: Any reserved seat remaining unfilled till one week before the final closing date of admission will be filled through open merit.**

## ELIGIBILITY CRITERIA FOR ADMISSION

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

### 1. **QUALIFICATIONS:**

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

OR

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

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

### 2. **ENTRANCE TEST:**

- i. The candidate must have appeared in the entrance test of ETEA KPK for the current academic year. There will be no passing marks but appearance in the test is a must.
- 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 x 0.1	=	8.28
b. F.Sc	=	83.63 x 0.4	=	33.45
c. Entrance Test	=	47.50 x 0.5	=	23.75

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

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

4. **AGE:**

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

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

Admission of the candidate will be cancelled if:

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

**DOCUMENTS REQUIRED WITH APPLICATION FORM**

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

- Secondary School Certificate issued by the concerned board (not school) / equivalence certificate.
- 02 copies of Detailed Marks Certificate of F.Sc on the basis of which admission is sought.
- An equivalence certificate from the IBCC, Islamabad, if the qualifying certificate is from an Institute abroad.
- 01 copy of Computerized National Identity Card of the candidate / Computerized Form-B. Photocopy of both sides of the CNIC should be taken on the same side of a full page.

- v. 01 copy of CNIC of the father of the applicant, if the father is not alive then a copy of the CNIC of the mother or guardian [see instruction for the CNIC of the candidate].
- vi. 02 Copies 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 guardianship certificate shall also be submitted in such cases [specimen of guardianship certificate is given at the end of prospectus].
- viii. 01 copy of Attempt certificate from the concerned BISE only if the period between SSC and F. Sc. is more than two academic years.
- ix. Three passport size colored photographs of the applicant attested on the back.
- x. FATA- IN candidates must attach a certificate, issued by the Headmaster/Principal of the concerned school/college & duly countersigned by the concerned EDO Education, clearly showing the date of admission to and discharge from the school/college and also the exact duration of stay in the institute and location of institute as per specimen in the Prospectus.
- xi. Hafiz-e-Quran certificate from a Registered Madrassa if the candidate claims to be Hafiz-e-Quran.
- xii. Original Undertaking on judicial stamp paper of Rs. 30/- duly attested by Deputy Commissioner / Political Agent as per specimen given in the prospectus / admission form [only for admitted candidates].
- xiii. 01 copy of affidavit regarding completion of study in KIMS as per specimen in the Prospectus.

#### **WARNINGS**

1. Incomplete application form and form carrying false statement will be rejected.
2. Revision of result or improvement of marks by the board / IBCC after the finalization of merit list shall not affect the merit list of admission of current year in 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 forthwith and further legal action can be taken against the student under the existing criminal laws.

#### **SCRUTINY COMMITTEE**

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

#### **ADJUSTMENT OF MARKS**

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

1. Only Ten (10) marks (irrespective of the number of attempts), will be deducted for improving marks in F.Sc examination by the candidate beyond the period of two years after passing the SSC annual examination. The attempt certificate issued by the respective BISE shall be accepted as final proof of improving marks.
2. Twenty (20) marks will be added to F.Sc. marks of a candidate who is Hafiz-e- Quran on the recommendation of committee for Hafiz-e-Quran.

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

The Principal KIMS with the approval of V.C KMU shall constitute a four members committee of a senior teacher of KIMS and Hafiz-e-Quran. Three of the four 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 Hufaz-e-Quran and shall be constituted by the Vice Chancellor KMU on the request of the Principal KIMS.

### **SELECTION AND ADMISSION OF APPLICANTS**

1. The Chairman Admission Committee will display a provisional merit list for each category of candidates. Objection, if any, be submitted in writing to the Chairman who will be competent to rectify any error or omission. The final merit list will be displayed two days before the start of interview, on KIMS notice board and KMU website.
2. The Admission Committee will interview the candidates for selection against open merit, FATA-IN seats and will finalize the merit list of all categories of candidates.
3. The list of admitted candidates shall also be displayed on KIMS notice board, after the admission is provisionally finalized.
4. No candidate will be admitted unless 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, the seat will be offered to next candidate unless a very genuine reason for absence from interview on the due date or before is presented to Principal. The Principal will be the final authority to proceed further in the matter and decide the case accordingly.

## **ADMISSION CANCELLATION**

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

Submission of Affidavit (only for admitted students). All the students admitted to MBBS/BDS programme in KIMS will have to submit an affidavit to the effect that he/she will complete MBBS/BDS programme 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 Principles of the concerned medical colleges must give no objection certificate prior to the final approval by the Vice Chancellor KIMU.
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 KIMU account, will be Rs. 50,000/- (Fifty Thousand) for student seeking migration from institution within the province and Rs. 100,000/- (One Hundred Thousand) for students migrating from other provinces and abroad.

## FACULTY

S #	DEPARTMENT	NAME OF FACULTY	QUALIFICATION	DESIGNATION
1.	Physiology	Dr. Farman Ullah	MBBS MD	Professor
		Dr Mohammad Bashir	MBBS FCPS	Professor
		Dr. Muhammad Haris Ramzan	MBBS, M.Phil	Assistant Professor
		Dr. Munaza Khan	MBBS, M.Phil	Assistant Professor
		Dr. Safia Bibi	MBBS	Lecturer
		Dr. Shariq Aman	MBBS	Lecturer
		Dr Ghazala Shaheen	MBBS	Lecturer
		Dr Farmanullah	MBBS	Lecturer
2.	Anatomy	Dr. Abdul Sahib Khan	MBBS FCPS	Professor
		Dr. Sohail Aziz	MBBS, MCPS, FCPS	Assoc: Professor
		Dr. Azhar Ali Qaisar	MBBS	Lecturer
		Dr. Adnan Rasheed	MBBS	Lecturer
		Dr. Zeeshan Munawar	MBBS	Lecturer
		Dr. Jamshed Khan	MBBS	Lecturer
3.	Biochemistry	Dr. Abdul Waheed	M.Phil, Ph.D (Germany)	Professor
		Dr Asmat Shaheen	BDS M Phil	Assistant Professor
		Dr. Muhammad Akbar Khan	MBBS	Lecturer
		Dr. Fozia	MBBS	Lecturer
		Dr. Aneela Mehr	MBBS	Lecturer
4.	Pathology	Dr. Aziz Marjan	MBBS M.Phil	Professor
		Dr. Akhtar Munir	MBBS M.Phil	Associate Professor
		Dr. Tahira Atta	MBBS, M.Phil	Assistant Professor
		Dr. Fazal Hanan	MBBS	Assistant Professor
		Dr. Nowshad Asim	MBBS	Lecturer
		Dr. Salimullah	MBBS	Lecturer
		Dr. Abid Nawaz	MBBS	Lecturer
5.	Pharmacology	Dr Mohammad Sajid	MBBS FCPS	Associate Professor
		Dr Mohammad Ashraf	MBBS FCPS	Assistant Professor
		Dr. Zakia Subhan	MBBS	Lecturer
		Dr. Syed Ayaz Shah	MBBS	Lecturer
6.	Forensic Medicine	Dr. Safdar Muhammad Khan	MBBS, DMJ	Assistant Professor
		Dr. Yasir Ahmed	MBBS	Lecturer
		Dr. Syed Muhammad Obaida Shah	MBBS	Lecturer
7.	Community Medicine	Dr. Hamid Hussain	MBBS,	Associate Professor
		Dr. Umar Hayat	MBBS, MPH	Associate Professor
		Dr. Durdana	MBBS	Assistant Professor
		Dr. Ahmed Ali	MBBS, M.Phil	Lecturer
		Dr. Syed Muhammad Irfan	MBBS	Lecturer

8.	Medicine	Dr. Asghar Kamal	MBBS FCPS	Professor
		Dr. Saddiq Ur Rehman	MBBS, FCPS	Professor
		Dr. Akhtar Sherin	MBBS FCPS	Associate Professor (Incharge College Magazine & Journal)
		Dr. Syed Fahim Shah	MBBS FCPS	Associate Professor
		Dr. Nafeesa Tahir	MBBS FCPS	Associate Professor (Incharge Sports & Culture Wing Female)
9.	Surgery	Professor Dr. Salim Khattak	MBBS, FCPS	Principal/Chief Executive
		Dr. Mohammad Tahir Bangash	MBBS FCPS FRCS (UK)	Professor
		Dr. Farid Anwar	MBBS, FCPS	Professor
		Dr. Fazal Ahmad	MBBS FCPS	Associate Professor
		Dr. Qazi Tahir ud Din	MBBS FCPS	Associate Professor (Incharge Sports & Culture Wing)
		Dr Mohammad Nasir	FCPS	Assistant Professor
		Dr. Sarfraz Khan	MBBS, Master of Surgery (Neuro Surgery)	Assistant Professor
10.	Gynae/Obs	Dr. Musarrat Jabeen	MBBS FCPS	Professor
		Dr. Shahnaz Akhtar	MBBS, FCPS	Professor
		Dr. Fouzia Gul	MBBS DGO FCPS	Professor
		Dr. Noor Nasir Khattak	MBBS FCPS	Associate Professor
11.	Radiology	Dr Mehmood Akhter	MBBS, MCPS, FCPS	Assistant Professor
12.	Pediatrics	Dr. Syed Sajid Munir	MD (Romania), FCPS	Assistant Professor
		Dr. Aameena Saba	MBBS, FCPS	Assistant Professor
		Dr Mehr Ali	MBBS, FCPS	visiting
		Dr Khalid Mehmood	MBBS, FCPS	visiting
13.	Ophthalmology	Dr. Lal Muhammad	MBBS FCPS	Professor
		Dr. Mohammad Alam	MBBS FCPS	Assistant Professor
		Dr. Awlia Jan	FCPS	Assistant Professor
14.	ENT	Dr. Fazal Sattar	MBBS, FCPS	Professor
		Dr. Khalid Qayyum	MBBS DLO FCPS	Associate Professor
		Dr. Arshad Farzooq	MBBS FCPS	Associate Professor
		Dr Khalil Asad	MBBS, FCPS	Assistant Professor
		Dr. Zafar Hassan	MBBS, FCPS	Assistant Professor
15.	Psychiatry	Dr. Shajaat Ali Khan	MBBS FCPS	Associate Professor (Incharge Student Counseling Cell)
16.	Orthopedics	Dr Tauseef Raza	MD, PhD	Assistant Professor
		Dr Shahid Ahmed Afridi	MBBS, M.Sc (Orthopedics)	Assistant Professor

17.	Dentistry	Dr. Hamid Ullah Jan	MBBS, FCPS	Professor
		Dr. Saddique Aslam	BDS FCPS	Associate Professor
		Dr. Sabahat Ullah Tareen	BDS M Phil	Assistant Professor
		Dr. Asmat Ullah	BDS,	Assistant Professor
		Dr. Syed Jaffar Raza	BDS	Lecturer
		Dr. Shahid Ali Shah	BDS	Lecturer
		Dr. Zaheer Babar	BDS	Lecturer
		Dr. Tehmina Marwat	BDS	Lecturer
		Dr. Muhammad Shoaib	BDS	Lecturer
		Dr. Asim Masood	BDS	Lecturer
		Dr. Syed Umar Farooq	BDS	Lecturer
		Dr. Aisha Sadaf	BDS	Lecturer
		Dr. Munaza Khattak	BDS	Lecturer
		Dr. Muhammad Waqas Luqman	BDS	Lecturer
		Dr. Urooj Saleem	BDS	Lecturer
Dr. Maryum Imran	BDS	Lecturer		

## COURSE OF STUDIES FOR MBBS

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

FIRST YEAR MBBS HOURS 1ST PROF			
1.	Anatomy	250	Hours
2.	Physiology	250	Hours
3.	Biochemistry	100	Hours
4.	Islamic & Pakistan Studies	25	Hours
5.	Behavioural 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 & Pakistan Studies	25	Hours
5.	Behavioural Sciences	05	Hours
6.	Pathology	25	Hours
7.	Community Medicine	25	Hours
8.	Medicine including Psychiatry & Dermatology	30	Hours
9.	Nuclear Medicine	10	Hours
10.	Paediatrics Medicine	10	Hours
11.	Surgery including Orthopaedics & 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.	Forensic Medicine	100	Hours
4.	Behavioural Sciences	05	Hours
5.	Community Medicine	50	Hours
6.	Medicine including Psychiatry & Dermatology	120	Hours
7.	Paediatrics Medicine	15	Hours
8.	Surgery including Orthopaedics & 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.	Community Medicine	150	Hours
3.	Ophthalmology	70	Hours
4.	Otorhinolaryngology	70	Hours
5.	Medicine including Psychiatry and Dermatology	200	Hours
6.	Nuclear Medicine	10	Hours
7.	Paediatrics Medicine	50	Hours
8.	Surgery including Orthopaedics & Anaesthesia	200	Hours
9.	Obstetrics & Gynaecology	90	Hours
10.	Radiology	10	Hours
11.	Behavioural Sciences	05	Hours
12.	Clinico-Pathological Conference	60	Hours

<b>FINAL YEAR MBBS HOURS 5TH PROF</b>			
1.	Medicine including Psychiatry & Dermatology	360	Hours
2.	Paediatrics Medicine	70	Hours
3.	Surgery including Orthopaedics & 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 4th 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 & Pakistan Studies	50	Hours
5.	Behavioural Sciences	25	Hours
6.	Pharmacology	300	Hours
7.	Pathology	500	Hours
8.	Forensic Medicine	100	Hours
9.	Community Medicine	250	Hours
10.	Medicine including Psychiatry and Dermatology	800	Hours
11.	Paediatric Medicine	150	Hours
12.	Nuclear Medicine	20	Hours
13.	Surgery including, 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-Pathological Conference	60	Hours

### **COURSE OF STUDIES FOR BDS STUDENTS**

The course of studies for Bachelor of Dental Surgery (BDS) is four academics years. At the end of the training a dental graduate should be able to:

- Make an accurate oral and dental diagnosis.
- Give local anaesthetic.
- Perform an operation on the teeth and jaws.
- Take a good required X-Ray.
- Perform dental laboratory techniques.
- Deal with medicolegal cases.
- Look after the dental health of the community.

<b>FIRST PROFESSIONAL BDS</b>		<b>LECTURE HOURS</b>	<b>HOURS</b>
1	Anatomy, Histology	100	300
2	Physiology	50	200
3	Biochemistry	50	120
4	Science of Dental Materials	75	250
5	Information Technology	----	30
<b>SECOND PROFESSIONAL BDS</b>			
1	Oral Biology & Tooth Morphology	60	100
2	General Pharmacology	50	200
3	General Pathology	50	200
4	Community and Preventive Dentistry	40	200
5	Junior Operative / Dental Material Medica	25	110
6	Junior Prosthodontics	25	110
7	Information Technology	----	30
8	Pakistan Studies / Islamic studies/ Behavioral Sciences	25	----
<b>THIRD PROFESSIONAL BDS</b>			
1	General Surgery	50	150
2	General Medicine	50	150
3	Oral Medicine & Diagnosis	50	75
4	Oral Pathology	50	100
5	Periofontology	50	125
6	Prosthodontics	30	120
7	Operative Dentistry	20	80
8	Oral & Maxillofacial Surgery	30	120
<b>FINAL PROFESSIONAL BDS</b>			
1	Prosthodontics		250
	a) Complete Dentures	40	
	b) Fixed Prosthodontics	20	
	c) Occlusion	05	
	d) Maxillofacial Prosthodontics	05	
	e) Gerodontology	05	
2	Operative Dentistry		250
	a) Operative	20	
	b) Endodontics	10	
	c) Paedodontics	10	
	d) Crowns	10	
	e) Radiology	05	
3	Orthodontia and Radiology		250
	a) Orthodontia	40	
	b) Radiology (Cephalometry)	05	

4	Oral & Maxillofacial Surgery		250
	a) Oral Surgery	60	
	b) Anesthesia	10	
	c) Forensic Dentistry	05	

### 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 re appear 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, 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.

## **RULES FOR EXAMINATIONS OF MBBS/BDS STUDENTS**

1. All professional examinations are conducted as per PMDC rules and regulations.
2. Internal evaluation is carried out in all professional examination according in guidance from PMDC rules & regulations and as a whole 10% marks are reserved for it, both in theory and practical in each subject.
3. A comprehensive annual university examination in all subjects, in all professionals is conducted at the end of each academic year.
4. The minimum passing marks in each subject shall be 50% separately, both in theory and practical.
5. A student who fails in theory or practical examination of a subject, shall be considered to have failed in the subject and will have to reappear both in theory and practical.
6. In each subject 50% marks are reserved for theory and 50% for practical / oral examination except BDS final year Professional examination.
7. Each theory paper shall consist of MCQs and short essay questions at the ratio of 50% of the total marks each after subtracting the marks reserved for internal evaluation from the total marks.
8. Preparatory holidays shall be one month for 1<sup>st</sup> , 2<sup>nd</sup> and 3<sup>rd</sup> 4<sup>th</sup> Professional MBBS/BDS examination and not more than two months for final professional MBBS/BDS examination.
9. All students are required to pass Islamic and Pakistan Studies prior to appear in final Professional MBBS examinations.



## FEE STRUCTURE FOR MBBS/BDS SUBSIDIZED CATEGORY

S. No.	Fee Structure	First Year	Subsequent Year
1.	Admission Fee	10,000	0
2.	Registration Fee	1,000	0
3.	Tuition Fee	70,000	70,000
4.	Dissection Fee	2,000	0
5.	Practical Fee	7,000	7,000
6.	Microscope Fee	1,500	0
7.	Exam Fee	0	0
8.	Library Fee	3,000	3,000
9.	PM&DC Registration Fee	3,000	0
10.	ID Card Fee	100	0
11.	Security Refundable	10,000	0
12.	Transportation Charges	4,000	4,000
13.	Anatomy Fee	1,500	0
14.	Correspondence Fee	1,000	1,000
15.	Publications	3,000	3,000
16.	Sports	3,000	3,000
17.	Chemicals	4,000	4,000
<b>Total</b>		<b>124,100</b>	<b>95,000</b>

**Fee For MBBS/BDS Semi Subsidized Category Rs. 400,000 Per Annum.**

**Fee For MBBS/BDS Foreign Self Finance Category Us \$ 6000 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.

Note: In addition to above the examination fee will be deposited separately according to examination schedule.

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 subscriptions.
4. The student who is detained or has failed an examination in both annual / supplementary shall have to pay 50% of tuition fee only in the class in which he / she has failed except final year.
5. All those students who have passed / failed in supplementary examination must seek their

admission / readmission forth with just after the declaration of the result of their classes. All those students who failed to comply with the above rule will not be allowed to attend the classes or appear in the subsequent examination.

6. Fee once paid shall not be refunded, but in the case of student who was prevented by illness or other reasons beyond his / her control from attending the college for most of the year for which he / she may be exempted from payment of the whole or part of amount of fee for the year in which such a student re-joins the college.
7. The name of a student, who has not paid / cleared all the dues of the college, will not be entered in the admission register, nor will he / she be allowed to attend the classes or appear in the examination.
8. If the security deposit is not claimed within a period of six months of the date of leaving the college, then it shall not be refundable and will be credited to the benevolent fund maintained by the college for its students.
9. Tuition Fee refund if any will be carried out according to Khyber Medical University Fee Refund Policy.
10. Any seat left vacant in the Foreign Self Finance category will be offered to local applicants on merit. However they will pay US\$ 6000 per annum.





Library

## 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 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 / Shaal, Black shoes and white long overall upto knee length.

### MALE STUDENT’S DRESS CODE

Dress Shirt - Dress Pants - Court Shoes.

Shalwar Qamiz - Peshawari Chappal. White Coat / Overall where demanded. Strapless Footwear - Kito Style Footwear will be strictly prohibited.

## MOBILE PHONE USE

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

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

### **UNDERTAKING / AGREEMENT [1]**

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

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

Do hereby solemnly undertake to abide by the following:

- i. That I have read the Prospectus of KIMS and hereby agree to conform to all provisions of the statutes of the Institute or statutes and rules as may hereafter be framed by the appropriate authorities.
- ii. That the information furnished in, and documents attached with the application form, are correct, and I fully understand that at any time during the course of my study, if it is found that any information is in-correct or any document produced at the time of admission is false, which would have rendered me ineligible for admission under the rules, my name shall immediately be struck off the institute roll.
- iii. That I shall, in case my name is struck off under clause (ii) above, not be entitled to claim refund of any fee paid by me. In addition I shall pay to the Principal as liquidated damages at the rate of Rs. 100,000 (one Lac) per year of my studies in KIMS.
- iv. That I shall, have minimum attendance of 75 percent, diligently apply myself to acquire and develop the skill necessary for the practice and advancement of my study in order to qualify for examination and I will not be promoted to the next higher class unless I have cleared all the subjects.
- v. That I shall maintain identity as a student of the institute by wearing Institute uniform. I shall participate fully and 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 hereby solemnly undertake to refrain from:-
  - a. Doing anything which may cause injury or insult to head, teacher, officers and other staff of institution.
  - b. Holding a gathering, meeting and taking out procession in any part of Campus other than areas specified for the purpose.
  - c. All kinds of unfair means in examination.
  - d. Allowing or abetting the entry to the premises of the Institute of expelled students, anti-social elements or others whose presence in the Campus could cause conflict amongst the students.
  - e. Bringing into the Campus, consuming or encouraging consumption of alcoholic products, drugs and narcotics and indulging in acts of moral turpitude.
  - f. Bringing or keeping any type of weapons within the University / Institute premises.

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

## UNDERTAKING / AGREEMENT [2]

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

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

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

### DEPONENT

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

### Witness-1

Signature: \_\_\_\_\_

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

CNIC No: \_\_\_\_\_

Father's Name: \_\_\_\_\_

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

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

### Witness-2

Signature: \_\_\_\_\_

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

CNIC No: \_\_\_\_\_

Father's Name: \_\_\_\_\_

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

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

### ATTESTED

Signature and Stamp of Political Agent/First Class Magistrate

## **AFFIDAVIT FOR GUARDIANSHIP**

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

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

1. Signature of candidate: \_\_\_\_\_

Name of Candidate: \_\_\_\_\_

CNIC No. of candidate: \_\_\_\_\_

2. Signature of Guardian: \_\_\_\_\_

Name of Guardian: \_\_\_\_\_

CNIC No. of Guardian: \_\_\_\_\_

## CERTIFICATE OF LOCATION OF EDUCATIONAL INSTITUTES

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

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

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

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

Signature of EDO (Education)  
With official stamp

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

DCO/PA: \_\_\_\_\_  
With official stamp

## STUDY COMPLETION BOND

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

I \_\_\_\_\_ S/O/D/O/W of \_\_\_\_\_ hereby solemnly affirms that I will complete the whole tenure of my study of five years MBBS/BDS Programme in KIMS. 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/- (Three Hundred Thousand) for wasting a precious seat. The original document will be returned to me only after the payment of the due penalty.

Signature of Student: \_\_\_\_\_

Name of Student: \_\_\_\_\_

Father's Name of the student: \_\_\_\_\_

CNIC # of the student: \_\_\_\_\_

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

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

### Witness-1

Signature: \_\_\_\_\_

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

CNIC No: \_\_\_\_\_

Father's Name: \_\_\_\_\_

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

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

### Witness-2

Signature: \_\_\_\_\_

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

CNIC No: \_\_\_\_\_

Father's Name: \_\_\_\_\_

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

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

Signature and Stamp of

First Class Magistrate/Political Agent/Oath Commissioner: \_\_\_\_\_

PICTURE GALLERY



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



PDA Commercial Flat, Near Shalman Park, Phase – VI, Hayatabad, Peshawar  
Tel: +915862482, [www.kmu.edu.pk](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, innovator and researchers in health professions education who are able to apply global knowledge to resolve local issues.

## **OBJECTIVES**

Graduates will be able to:

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

## **ACADEMIC PROGRAMS**

The following programs offered by this institute as

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

## **MASTER IN HEALTH PROFESSIONS EDUCATION (MHPE)**

### **4.1.1 INTRODUCTION**

Khyber Medical University has launched the MHPE program for the first time in Khyber Pakhtunkhwa. This program would enable the Health Professionals 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.

### **4.1.2 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 basic and technical aspects to 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 a 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 professions 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 innovative programs.

### **4.1.3 NEED ASSESSMENT**

There is a continuing need in Pakistani medical colleges for specialized and advanced studies in how education can be 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 postgraduate academic programs in this area to develop skills that could bring about this change, and develop our institutions at par with international centers. The MHPE program is developed by using the experience of the professionals who conduct research and work in different institutions devoted to health professions education. This program will be run by local and international faculty, and will provide the highest standards of Masters programs internationally.

### **4.1.4 COMPETENCIES**

A Master in Health Profession Education should be able to perform the following competencies in a professional manner.

#### **Educational Leadership and Management**

Demonstrates excellent leadership qualities for the best interest of his profession and institution

1. 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.
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.

## **Curriculum Management**

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

## **Teaching and Learning**

1. An excellent teacher, teacher trainer, and communicator.
2. Demonstrates knowledge and skills to develop teaching and learning strategies to improve the quality of teaching and learning in an educational environment.
3. Demonstrates abilities to guide students in developing their learning strategies, keeping them motivated and eventually becoming self-directed learners.
4. Recognizes challenges and barriers in planning and implementing teaching and learning strategies in dynamic teaching and learning environments in both clinical and non-clinical setups.
5. Demonstrate skills to use e-learning and information technologies to develop and manage computerized teaching and learning solutions.
6. Rigorous researcher to use evidence as an instrument to improve the quality of teaching and learning.

## **Assessment**

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

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

### b. Credit Hours

The program is of 60 credit hours.

### c. Distribution of Modules

The program is a modular system where credit hours will be awarded for each module passed. Six modules

are identified each with its own contact session. After completion of modules the student has to

conduct

educational research to qualify for Masters degree. Each module includes contact sessions and on line assignments through Module.

S NO	Codes	Title of Modules	Credit Hours	
			Contact Sessions	Assignments
1	MHPE 601	Educational Psychology	5	4
2	MHPE 602	Curriculum	5	4
3	MHPE 603	Teaching and Learning	5	4
4	MHPE 604	Assessment	5	4
5	MHPE 605	Research, Ethics and Professionalism	5	4
6	MHPE 606	Organizational Management & Leadership	5	4
7	MHPE 607	Thesis	6	
<b>Total</b>			<b>60</b>	

All modules are compulsory and students will get credit hours after they have attended contact sessions and passed the written assignments.

### d. Academic Calendar

S NO	Codes	Title	Contact Sessions	Time Table
1	MHPE 601	Educational Psychology	I	July
2	MHPE 602	Curriculum	II	October/November
3	MHPE 603	Teaching and Learning	III	February/March
4	MHPE 604	Assessment	IV	July
5	MHPE 605	Research, Ethics and Professionalism	V	October/November
6	MHPE 606	Organizational Management & Leadership	VI	February/March
7	MHPE 607	Thesis	00	February/March – July

**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 include activities such as lectures, group discussions, self-directed learning and projects presentations.

**f. Mode of Information Transfer (MIT)**

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



**g. Workshop in each module with assignments:**

Approximately two years with 80 weeks of course work and remaining time will be spent for research. Students who fail to complete module will have chance to complete modules in next year

**h. 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.

**i. Assessment**

The Assessment of each module is as follows;

Assignments	:	40%
Internal Assessment	:	10%
Final Exam	:	50%

**j. Academic Quality**

A student must have 100% of the attendance in each workshop module (contact session).

## **4.1 MASTER IN HEALTH RESEARCH**

### **4.1.1 INTRODUCTION**

The Khyber Medical University (KMU)'s 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 stresses 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 indirect contact sessions with students which include lectures, workshops, and tutorials. The interactive sessions 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.

### **4.2.2 Program Goal**

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

### **4.2.3 Objective of the MHR Program**

Develop capacity for high quality health research in health academic institutions of Khyber Pakhtunkhwa Province

### **4.2.4 PROGRAM STRUCTURE**

The emphasis in this course is on developing practical skills in formulating research question, developing appropriate methodology, collecting valid data and disseminating the results using effective communication methods. The course uses a variety of modes of information transfer with particular reemphasis on problem-based learning, hands on training and interactive learning.

#### **a. Program Duration**

The duration of MHR Program is two years. The program has a total of six contact sessions. Each contact session comprises of 10 days face to face interactive teaching and learning. The program is designed to

be beneficial for candidates who are in mid-career level. It requires the participants to study for approximately two hours of notional student effort per day. There are three contact sessions 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. Six modules are identified each with its own contact session. After completion of modules the student has to conduct educational research to qualify for Masters. Each module includes contact sessions and on line assignments.

S NO	Codes	Title of Modules	Credit Hours	
			Contact Sessions	Assignments
1	MHR 608	Quantitative Research and Basic Epidemiology.	5	4
2	MHR 609	Biostatistics and Epidemiology	5	4
3	MHR 610	Qualitative Health Research, Bioethics and Evidence Based Medicine	5	4
4	MHR 611	Managing Research	5	4
5	MHR 612	Research Communication and Dissemination-Medical Writing	5	4
6	MHR 613	Health Economics and clinical audit.	5	4
7	MHR 614	Thesis	6	
<b>Total</b>			<b>60</b>	

All modules are compulsory and students will get credit hours after they have attended contact sessions and passed the written assignments.

**d. Academic Calendar**

S NO	Codes	Title	Contact Sessions	Time Table
1	MHR 608	Quantitative Research and Basic Epidemiology.	I	August
2	MHR 609	Biostatistics and Epidemiology	II	December
3	MHR 610	Qualitative Health Research, Bioethics and Evidence Based Medicine	III	March/April
4	MHR 611	Managing Research	IV	August
5	MHR 612	Research Communication and Dissemination-Medical Writing	V	December
6	MHR 613	Health Economics and clinical audit.	VI	March/April
7	MHR 614	Thesis	00	March/April – September

**e. Instructional Strategies**

Different teaching strategies are used within a contact session, such as, lectures, group discussions, directed self-learning, and projects presentations.

**f. Medium of Instruction**

All assignments and workshops are in English language.

**a. Workshop in each module with assignments:**

Approximately two years with 80 weeks of course work and remaining time will be spent for research. Students who fail to complete module will have chance to complete modules in next year.

**b. 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.

**c. Assessment**

This program is a modular system with credit hours. Student who acquires 60 credit hours and complete all mandatory requirements will be considered pass.

The Assessment of each module is as follows;

Assignments	:	40%
Internal Assessment	:	10%
Final Exam	:	50%

**d. Academic Quality**

A student must have 100% attendance in each workshop module (contact session).

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

### **4.3.1 INTRODUCTION**

There are approximately 100 medical colleges, over 25 dental colleges, numerous allied health professional institutes, and tens of postgraduate medical institutes in Pakistan providing training to thousands of undergraduate and postgraduate health professionals. These institutes employ thousands of teachers to fulfill educational needs of their students. In medical institutes, for instance, 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 different than clinical skills of a medical doctor.

There have been sporadic attempts by the PMDC and medical Universities to hold workshops on various aspects of teaching and learning. Attendance to these workshops is not mandatory and outcomes of the workshops are usually not measured. These workshops are inadequate to fulfill the educational needs of the large number of medical teachers of the country. There is a need that institutes such as the PMDC and medical universities (such as KMU) pay attention to this neglected issue. Managing and improving the quality of medical education in the medical institutes of the country is the primary responsibility of the medical universities and the PMDC. Training of medical teachers is the corner stone in improving the quality of teaching and training. Training of medical teachers is a long term and ongoing process. The goal of providing even basic training to medical teachers cannot be achieved in short time. Proper planning and commitment from the leadership and resources are needed to fulfill this gap in teacher training.

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. This postgraduate certificate will provide 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.

### **4.3.2 AIM**

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

### **4.3.3 LEARNING OUTCOMES**

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

1. Understand trends, issues and challenges in HPE at the global, national and local levels and how strategies can be developed to meet these challenges.
2. Understand the significance and role of HPE 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. Explore different methods and strategies for teaching and learning in Pakistani medical education environment.
6. Demonstrate basic communication skills pertinent to their roles as medical teacher.
7. Perform alignment of curriculum development with teaching, learning and assessment.
8. Identify his/her own professional development needs to professionalize his/her practice as an educator and lifelong learner.

#### **4.3.4 STRUCTURE AND DESIGN OF CHPE**

This course is of twelve credit hours which have been divided into contact sessions and assignments. The contact sessions are of five credit hours (each credit hour is sixteen hours of contact time) and remaining credit hours is divided into assignments. At the end of each workshop one assignment will be given. Total = Two assignments.

#### **4.3.5 DISTRIBUTION OF MODULE**

- Module One** = 5 days (Overview of HPE and Curriculum Development)  
**Module Two** = 5 days (Teaching, Learning and Assessment)

#### **4.3.6 COURSE CONTENTS**

##### **A. Overview of Medical Education**

1. Principles, trends and approaches in health Professions education.
2. Health Professions education strategies (SPICES)
3. Role of teacher in health Professions education
4. Effective use of resources for HPE.

##### **B. Teaching Strategies**

1. Principles, trends and approaches in teaching and learning
2. Planning a lecture
3. Effective lecturing skills
4. Effective communication skills for teachers
5. Use of ICT in teaching

##### **C. Learning strategies**

1. Role of a student
2. Learning strategies
3. Learning situations
4. Learning styles
5. How do students communicate
6. Use of study guides to improve student learning
7. Student motivation
8. Portfolio building
9. Use of simulation

##### **D. Essentials of Curriculum Development**

1. Principles, trends and approaches in curriculum development
2. Outcomes based education
3. Setting aims, objectives and competencies
4. Integrated teaching
5. Educational environment
6. Essential skills for course design

## **E. Essentials of Assessment**

1. Principals, trends and approaches in assessment
2. Assessment methods
3. Assessment instruments
4. The OSCE, OSPE
5. Feedback
6. Standard setting
7. Setting questions, MCQs, SEQs, MEQs and performing Item analysis

### **4.3.7 ASSESSMENT**

Every participant will be issued certificate attaining 12 credit hours (after attending contact sessions and passing the assignments).

## **a. CERTIFICATE IN HEALTH RESEARCH**

### **4.4.1 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 contact workshop sessions, lectures and tutorials and will challenge 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 generated data. 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.

### **4.4.2 Aim**

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

### **4.4.3 Objective**

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

### **4.4.4 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.

#### 4.4.5 Credit Hours

The course will be of 10 credit hours which have been divided into contact sessions and assignments. Each contact session is of 3 credit hours (each credit hour is sixteen hours of contact hours) and remaining credit hours is divided into assignments and exit assessment.

<b>4.4.6 Total credit hours</b>	<b>= 10</b>
Credit hours of contact sessions	= 6
Credit hours of assignment	= 2
Credit hours of exit assessment	= 2
Total Contact Hours	= 90/16 = 6
Total Contact Days	= 10

#### 4.4.7 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.

#### 4.4.8 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.

#### 4.4.9 Exit Assessment

At the end of 2<sup>nd</sup> contact session the students will have an Exit Exam.

#### 4.4.10 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.

#### 4.4.11 Modules

This programme 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 students are expected to develop a clear understanding of the 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.
- Application of evidence in clinical practice, health management and implementation of public health interventions.

**Content**

- Orientation to Health Research (Foundations, Terms and Concepts, Knowledge, science and research, Health systems)History of Scientific Thought, Post---Positivists and Critical Realism.
- Literature search, Boolean operators and searching on INTERNET, literature review.
- Epidemiology, Social determinants of health and health equity, Variables.
- Research study types, Experimental Research and clinical trials.
- Validity, reliability, bias, Translational research.
- Health Care and Environmental Sustainability, Health Systems and Policy Research.
- 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.

## 5. ADMISSION POLICY

### 5.1 ALLOCATION OF SEATS

S No	Course	Seats
1	Master in Health Professions Education(MHPE)	40
2	Master in Health Research (MHR)	25
3	Certificate in Health Professions Education (CHPE)	20
4	Certificate in Health Research (CHR)	20

**Note: University reserves the right to increase or decrease the number of seats.**

### 5.2 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

16 years of education in the following disciplines:

MBBS/BDS or equivalent (Recognized by PMDC), Pharm-D (Recognized by Pharmacy Council), BS Nursing (4 years), Post RN, BSc Nursing (Recognized by PNC), Candidate having four year bachelor's degree in physical Therapy (BSPT) / Doctor Of Physical Therapy (DPT)/ or equivalent degree from any HEC recognized university, BS Paramedics, MSc Psychology, BS Prosthetic & Orthotics Sciences, BS Vision Sciences and DVM from a regionally accredited college or university.

### SELECTION CRITERIA

#### 5.3 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.

### 5.3 FEE STRUCTURE

S No	Course	Fee	
		1 <sup>st</sup> Year	2 <sup>nd</sup> Year
1	Master in Health Professions Education(MHPE)	Rs 113,000	Rs 110,000
2	Master in Health Research (MHR)	Rs 113,000	Rs 110,000
3	Certificate in Health Professions Education (CHPE)	Rs 20,000	
4	Certificate in Health Research (CHR)	Non-formal sectors (NGOs, donors etc) : Rs 20,000 Faculty Members : Rs 15000 Registrars/TMOs/MOs/HOs: Rs 10,000	

Increase, refunds and deductions would be in line with the policy of Khyber medical University.

### 5.4 FACULTY

#### 1. Dr. Brekhna Jamil

Coordinator

Institute of Health Professions Education & Research

#### 1. Dr. Gohar Wajid (Program Supervisor)

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

#### 2. Professor Muhammad Idrees Anwar (Program Director)

MBBS, FRCS, DCPS, HPE,

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

#### 3. Dr. Sahibzada Mehmood Noor (Program coordinator)

MBBS, FCPS (Derm), DCPS, HPE

Associate Professor Dermatology

Lady Reading Hospital, Peshawar/ Postgraduate Medical Institute, Peshawar

#### 4. Dr. Usman Mahboob

MBBS, MPH

Fellow Higher Education Academy (FHEA), UK

Doctorate in Health Professions Education (Glasgow)

Assistant Professor

Institute of Health Professions Education & Research, Khyber Medical University.

#### 5. Dr. Ahsan Sethi

BDS, MPH, MMed (Dundee), FHEA (UK)

PhD Scholar (University of Dundee, UK)

**6. Dr. Shahid Ayub**

MBBS.FCPS. DCPS (HPE)

Assoc. Professor Neurosurgery and Deputy Director Medical Education,  
Postgraduate Medical Institute, Hayatabad Medical Complex, Peshawar.  
Visiting faculty, Khyber Medical University, Peshawar

**7. Dr. AbidJamil**

FRCP, PhD, Fellow FAIMER, MHPE  
Director, Medical Education

**8. Dr. Rehan Ahmed**

FCPS, FRCS, MHPE  
Associate Professor of Surgery and Medical Education  
Islamic International Medical College  
Visiting faculty, Khyber Medical University, Peshawar

**10. Professor Dr. Mukhtiar Zaman,**

MRCP, FCPS, Diploma in Strategic Change Management (UK)  
Director ORIC, KMU.

**11. Dr. Tasleem Akhtar, FRCP**

Consultant Research and Development

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

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

**13. Dr. Zeeshan Kibria**

Deputy Director ORIC, KMU, Peshawar

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

Vice Dean Pakistan Institute of Community Ophthalmology, Peshawar.

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

Assistant Professor, Community Medicine, Ayub Medical College, Abbottabad

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

Associate Professor Community Medicine, KMU-IMS, Kohat

**17. Mr. Iftikhar ud Din MSc, MPhil, PHD**

Assistant Professor, Statistics, Agriculture University Peshawar

**18. Mr. Syed Azmat Ali Shah, MSCS**

Web Master, Khyber Medical University  
Visiting Faculty on need basis

**International Technical Advisory Panel**

Name	Designation
<b>Prof. Saeed Farooq</b>	Visiting Professor Centreor 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.





**KMU**  
**INSTITUTE OF BASIC MEDICAL SCIENCES**



**KHYBER MEDICAL UNIVERSITY**

## **INTRODUCTION**

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

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

## **VISION**

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

## **MISSION**

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

## **OBJECTIVES**

1. To expedite the academic growth and development in undergraduate medical education by providing properly qualified and trained basic sciences teachers.
2. To institutionalize research by producing more PhDs, particularly in the emerging fields of basic medical sciences like immunology and molecular biology.
3. To develop linkages with leading institutions nationally and internationally for collaboration and exposure of local research scholars.
4. To keep academicians updated, short refresher courses will be run to disseminate latest academic and research advancement in the field of basic medical sciences.
5. Better educated and trained health care professionals engaged as academician, 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.
6. Focus of research will be on regional medical issues to improve health standards of the local community.
7. 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.
8. Development of human resource, research and technology in this institute to help in the development of national economy.
9. Highly trained and qualified manpower to improve the quality of services delivered to the community.
10. 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 will ensure a promising career to its MPhil / PhDs in the field of Basic Medical Sciences (BMS).
2. Most of such skilled professionals usually will join teaching career in the areas of science underpinning medicine range from graduate entry to faculty positions in Basic Sciences Departments of national/international medical institutions.
3. Excellent opportunities for laboratory based career in medical marketing, research and 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

Competition in the modern era entails highly developed research equipment necessary for advancement which can change the status of our society for the good. Facilities for postgraduate studies can attract students from the region and neighboring countries like Iran, Afghanistan, and Central Asia.

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.

1. MBBS
2. BDS
3. For MPhil leading to PhD in Microbiology & Biochemistry, BS in respective fields and in Pharmacology, D Pharm degree holders are also eligible.

### Selection Criteria

1. Percentage of final professional examination to 35 marks.
2. Percentage of Entrance test to 20 marks
3. One mark per year of service in a recognized institution up to maximum of 5 marks.
4. Distinction 5 marks
5. Postgraduate Qualification 10 marks
6. Publication: : in HEC/PM&DC recognize journals maximum 5 marks
  - i. 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

7. Interview 20 marks. (Any applicant who secures less than 50% marks in interview shall be declared as unsuccessful).

### **Requirements for MPhil**

1. MPhil program shall be comprised of course work of 30 credit hours and a 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 / PhD candidates shall be required to pay tuition fee and such other dues, as determined by the University from time to time.
9. MPhil program course work break up
  - a. A total of 30 credit course work in the
    - i. Compulsory courses.
    - ii. Speciality (in which scholar is registered) courses
  - b. Thesis on a topic approved by the AS&RB.
  - c. Viva-voce

### **Transfer from MPhil to PhD and requirements of PhD**

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

### **Requirements for PhD degree**

1. Additional PhD level course work of at least 18 credit hours followed by a comprehensive examination along with thesis will be essential for the award of PhD degree.
2. The candidate must have passed the subject GRE. The candidate is required to take at least 60% score in the test. In disciplines where this test is not available, equivalent test (GRE local) shall be developed locally by the University with minimum passing score of 70%.
3. Acceptance/publication of at least one research paper in HEC approved/recognized journal is essential before the submission of dissertation.
4. The requirements for PhD degree shall normally be completed within 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 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. The dropped semester shall be counted towards the period required for completing the course work.
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 AS&RB 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 AS&RB on the recommendation of the HOD may allow a maximum of 15 credit hour courses to be transferred.
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 AS&RB and 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

For Pakistan Nationals: Semester Fee	Rs.70,000	per semester
KMU Registration Fee	Rs. 1,000	Once in Programme
PMDC Registration Fee	Rs. 1,000	Once in Programme

**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”.

### Leave of Absence

1. On the recommendation of the Graduate Studies Committee and the approval of the AS&RB, a research scholar may be allowed leave of absence up to two semesters on valid grounds.
2. Leave of absence shall be excluded from the total period of study. The scholar shall not be required to pay any fee during the leave of absence.

### Cancellation of Registration

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

### Semester Outline and Learning Schedule

#### 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		
BMS: 706	Developmental Anatomy (Embryology)	3+1 Credit Hrs
BMS: 707	Microscopic Anatomy (Histology)	3+1 Credit Hrs
BMS: 708	Neuroanatomy	2+1 Credit Hrs
BMS: 709	Microtechniques	2+0 Credit Hrs
BMS: 710	General Anatomy	1+0 Credit Hrs
BMS: 711	Anatomy of Upper and Lower Limb	2+1 Credit Hrs
BMS: 713	Anatomy of Thorax	1+0 Credit Hrs
BMS: 714	Anatomy of Abdomen and Pelvis	2+0 Credit Hrs
BMS: 715	Anatomy of Head & Neck	2+0 Credit Hrs

Mphil Leading To PhD In Biochemistry		
BMS: 716	Amino Acids, Peptides & Proteins	2+1 Credit Hrs
BMS: 717	Carbohydrates, Lipids and Membranes	2+0 Credit Hrs
BMS: 718	Enzymes	2+0 Credit Hrs
BMS: 719	Metabolism-I (Bioenergetics, Carbohydrates and Lipids)	3+0 Credit Hrs
BMS: 720	Metabolism-II (Proteins and Nucleotides)	2+0 Credit Hrs
BMS: 721	Nutritional Biochemistry	2+0 Credit Hrs
BMS: 722	Hormones and Cellular Signaling	2+1 Credit Hrs
BMS: 723	Biochemistry of Specialized Tissues	2+1 Credit Hrs
BMS: 724	Biochemical Techniques	2+0 Credit Hrs

Mphil Leading To PhD In Physiology		
BMS: 725	Cell and Nerve Muscle Physiology	2+0 Credit Hrs
BMS: 726	Neurophysiology (Sensory, Motor, Autonomic and Special Senses)	4+1 Credit Hrs
BMS: 727	Blood, Cardiovascular and Respiratory Physiology	3+1 Credit Hrs
BMS: 728	Body Fluids, Renal & GIT Physiology	2+1 Credit Hrs
BMS: 729	Endocrinology & Reproductive Physiology	3+1 Credit Hrs
BMS: 730	Experimental Physiology	2+0 Credit Hrs
BMS: 731	Aviation, Space & Deep-Sea Diving Physiology	1+0 Credit Hrs
BMS: 732	Sports Physiology	1+0 Credit Hrs

Mphil Leading To PhD In Pharmacology		
BMS: 733	General Pharmacology	2+0 Credit Hrs
BMS: 734	CNS Pharmacology	3+0 Credit Hrs
BMS: 735	ANS Pharmacology	2+1 Credit Hrs
BMS: 736	GIT, Hormones & Drugs Affecting Uterus	2+1 Credit Hrs
BMS: 737	Kidney, CVS & Respiratory System	2+1 Credit Hrs
BMS: 738	Clinical Pharmacology	2+0 Credit Hrs
BMS: 739	Chemotherapy	3+1 Credit Hrs
BMS: 741	Anti inflammatory, Autacoids and drugs acting on blood	2+0 Credit Hrs

Mphil Leading To PhD In Histopathology		
BMS: 743	General Pathology	3+0 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

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

BMS: 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

BMS: 755	Drugs Acting on the Blood	2+0 Credit Hrs

Mphil Leading To PhD In Chemical Pathology		
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 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

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

Mphil Leading To Phd In Forensic Medicine And Toxicology		
BMS: 769	General and Special Toxicology	3+1 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

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

### Program Outline for MPhil leading to PhD and PhD

**Year 1 is divided into two Semesters of 20 weeks each**

Course work (course work)

18 weeks

Comprehensive evaluation

02 weeks

**Total**

**40 weeks**

## Year 2

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

## Academic Calendar

- Two semesters per year
  - Spring Feb - June
  - Fall Sept - Jan
- Modular in structure, each course of 1-3 Cr Hr rating
- **Duration:** 2-5 year program of MPhil leading to PhD.  
Minimum duration for
  - M. Phil = 2-3 years (at least 30 Cr. Hr of course work)
  - Ph. D = additional 2-3 years (at least 18 Cr. Hr of course work)

The program involves both theoretical & research components

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

## The disciplines offered for MPhil and PhD

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

## Subjects & allocation of seats

The number of seats in each discipline will be decided as per availability of number of supervisors in the respective discipline.

## Faculty

S #	NAME	QUALIFICATION	DESIGNATION
<b>DEPARTMENT OF MICROBIOLOGY</b>			
1.	Dr. Jawad Ahmed	MBBS, MSc, PhD, FCPP	Professor
2.	Dr. M Naeem Khattak	MBBS, MSc, PhD, MRC Path	Professor
3.	Dr. Tayyab ur Rehman	PhD	Assistant Professor
4.	Dr. Muhammad Tahir Sarwar	PhD	Assistant Professor
5.	Mr. Momin Khan	MPhil (PhD in Progress)	Assistant Professor
<b>DEPARTMENT OF HISTOPATHOLOGY</b>			
6.	Dr. Nuzhat Sultana	MBBS, FCPS	Assistant Professor
7.	Dr. Walayat Shah	PhD	Assistant Professor
<b>DEPARTMENT OF HEMATOLOGY</b>			
8.	Dr. Abid Sohail Taj	MBBS, MRCPATH, PhD	Professor
9.	Dr. Nazish Farooq	MBBS, FCPS	Assistant Professor
<b>DEPARTMENT OF PHARMACOLOGY</b>			
10.	Dr. Shafiq Ahmed Tariq	PhD	Associate Professor
11.	Dr. Niaz Ali	PhD	Associate Professor
12.	Dr. Sami Siraj	PhD	Assistant Professor
13.	Dr. Aslam Khan	PhD	Assistant Professor
<b>DEPARTMENT OF BIOCHEMISTRY</b>			
14.	Dr. Abdus Sattar Khan	PhD	Professor
15.	Dr. Rubina Nazli	MBBS, PhD	Associate Professor
16.	Dr. Musharraf Jelani	PhD	Assistant Professor
17.	Dr. Roshan Ali	PhD	Associate Professor
<b>DEPARTMENT OF ANATOMY</b>			
18.	Dr. Najeebullah	PhD	Assistant Professor
19.	Mr. Adnan Masood Khan	MBBS, MSc	Lecturer
<b>DEPARTMENT OF PHYSIOLOGY</b>			
20.	Dr. Fazal Wahab	PhD	Assistant Professor
21.	Dr. Mohsin Shah	PhD	Assistant Professor

## Visiting Faculty

Name	Qualifications MPhil/PhD	Area of Specialization	Designation with institution
Dr. Fazal Raziq	MBBS, FCPS	Hematology	Professor Rehman Medical Institute
Dr. Tauseef Raza	MD, PhD	Anatomy	Assistant Professor KMU Institute of Medical Sciences
Dr. Farmanullah Wazir	MBBS, PhD	Physiology	Professor KMU Institute of Medical Sciences
Dr. Meraj ud Din	MBBS, PhD	Anatomy	Professor Ayub Medical College
Dr. Muhammad Afzal	MBBS, MPhil	Anatomy	Professor Gandahara College of Pharmacy
Dr. Muhammad Asim	PhD	Biostatistics	Associate Professor University of Peshawar
Dr. Hamid Hussain	MBBS, MPhil	Epidemiology	Associate Professor, KMU-IMS, Kohat
Dr. Arif Siddiqui	PhD	Physiology	Professor Agha Khan University (Retired)

### Contents and design:

#### Course work

The coursework program covers:-

A structured program of **COMPULSORY CORE COURSES** related to contemporary areas of basic medical sciences

**SUPPORTIVE AND SKILL-RELATED COURSES** which enhance research skills to develop the ability, to interpret, to evaluate and present scientific data.

**ADVANCED COURSES OF THE MAJOR DISCIPLINE** to provide extensive, in-depth and up-to-date knowledge, along with one minor subject selected by the candidate for enhanced knowledge.

Coursework updates extend ones knowledge and understanding of the area of interest and acquire skills to improve one's career prospects. Core modules will cover concepts involved in both cellular and molecular biology and also an introduction to the understanding of the applications of bioinformatics in this area. The student will be provided with practical experience of a wide range of advanced laboratory techniques currently used in the field of medical and dental research. On completion of the course, each candidate will have a considerable knowledge and understanding of the fundamentals of basic sciences; will have critically reviewed the current relevant literature; and will have the ability to undertake independent scientific investigation research projects.

#### Research

Research study gives the candidate an opportunity to explore questions that one finds stimulating. With the guidance of the supervisor, the student determines the topic and the structure of his/her program. Research degrees include;

Master of Philosophy and Doctor of Philosophy (PhD). The candidate studies research program to:

- gain a deeper understanding of his/her chosen field of study
- focus on specific issues
- test certain theories
- expand ones current knowledge

Thesis is the formal, systematic exposition of a coherent piece of research work carried out over the period of registration.

It shall be an original contribution in the field of studies as recognized by standards (HEC and PM&DC). Research component of at least 50% of the total teaching program, of which some Cr Hrs are allocated for topics which support and enhance skills to improve research capacity.

### **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 behaviour.

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

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



**PDA Building Block-I, Phase – V, Hayatabad, Peshawar  
Tel: +919217268, +915816580, [www.kmu.edu.pk](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 stakeholders.
4. Develop theoretical knowledge and practical skills in the field of research.



## **Outcomes**

The students will be able to;

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

## **PAKISTAN MEDICAL & DENTAL COUNCIL (PMDC) ACCREDITED PROGRAM**

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

## **FACULTY:**

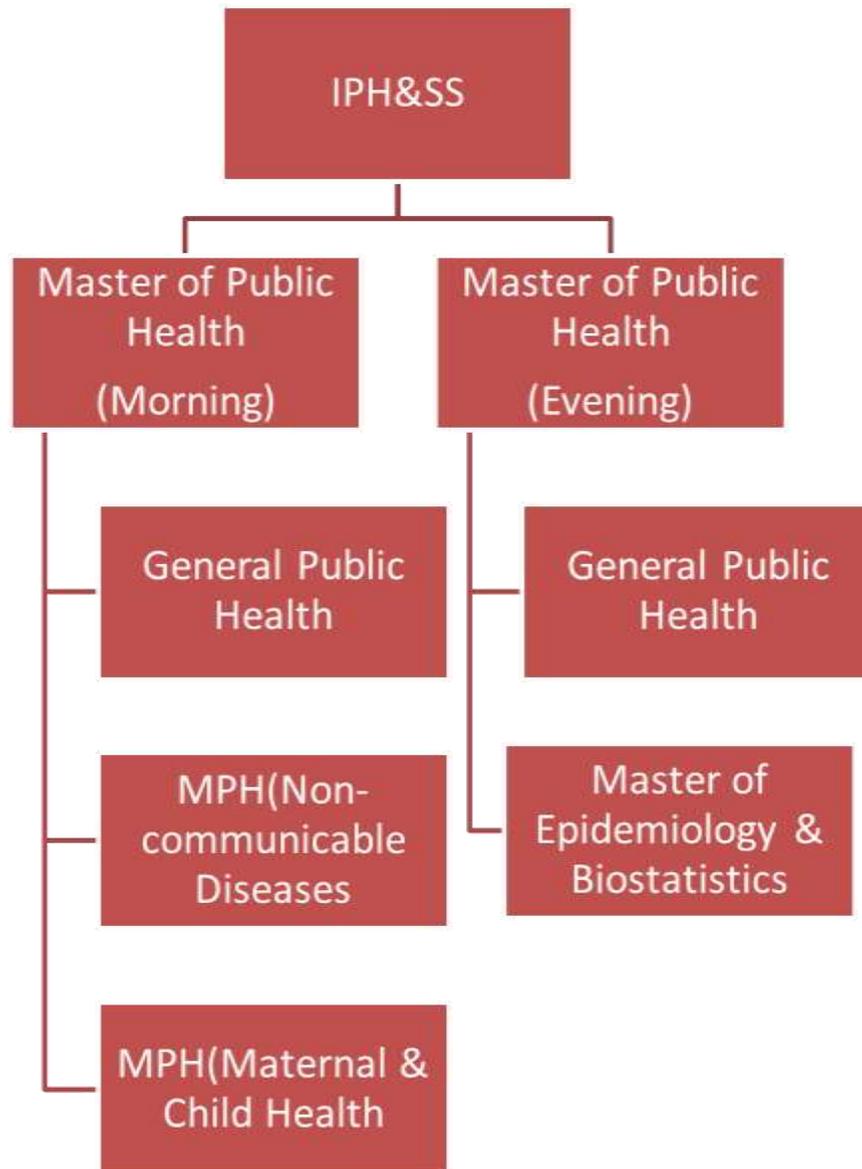
The Institute has the following Core and Visiting Faculty.

### **CORE FACULTY**

1. Dr. Ayaz Ayub (DHP&M, FCPS-1, MPH, Australia)
2. Dr. Ayesha Imtiaz (MPH, Australia)
3. Dr. Brekhna Jamil (MPH, Pak)
4. Dr. Waqar Ali ( MPH, PAK)
5. Dr. Naheed Mahsud (MPH, Pak)
6. Dr. Zia-ul-Haq (PhD in progress, UK)
7. Dr. Naseem (PhD in progress, UK)

### **VISITING FACULTY**

1. Dr. Uma M Irfan (PhD Epidemiology, USA)
2. Dr. Jawad Ahmad (PhD Microbiology ,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. Zeeshan Kibria (MPH Pak)



## 1. MPH (General) Programme

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

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

Current Status of Public Health in Khyber Pakhtunkhwa

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

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

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

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

### Objective of MPH Program

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

## **2. MPH (Maternal & Child Health)**

### **Mission Statement:**

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

### **Objectives:**

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

1. An understanding of the biological, social, and behavioural basis for a MCH program; knowledge of the historical development of the field of MCH.
2. An understanding of the normal patterns of human growth and development.
3. Understand major health issues of women and child health following life course approach.
4. Identify the determinants and impact of the major health problems that are present during pregnancy, infancy, childhood and adolescence.
5. Understand and interrelate Maternal and Child Health.
6. Acquire knowledge and skills to assess the healthcare needs of women and children.
7. Develop professional and academic skills in research and management.

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8. An understanding of the design, implementation, and evaluation of MCH policies and programs with an ability to identify essential gaps in existing programmes 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 PROGRAMMES

### 1. Eligibility Criteria:

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

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

### 2. Selection Criteria

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

### 3. Seats distribution for each MPH Programme

<b>Total seats:</b>	<b>25 seats</b>
a. Open Merit(Khyber Pakhtunkhwa/FATA/PATA)	22 seats
b. Baluchistan	02 seats
c. FATA(Special Seat)	01 seat



### 4. Fee Structure

<b>For Pakistan Nationals:</b>	Rs 57,000 (MPH Morning) per semester
<b>For Pakistan Nationals:</b>	Rs 67,000 (MPH Evening) per semester
<b>For Foreign Nationals:</b>	\$ 2,200 per semester
<b>KMU Registration Fee:</b>	Rs. 1,000 (Once in programme)
<b>PMDC Enrolment fee</b>	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 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 of the respective semester. The students having shortage of their attendances will have to complete their deficiency to make them eligible to appear in the exam.

## FACILITIES

### Learning Resource Center (LRC)

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

### Library/Disciplinary Rules and Regulations

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

### Hostel / Accommodation

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

### Field Visits

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



## EXAMINATIONS

### 1) Method of Examination:

- 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 behaviour, assignments, presentations and examination behaviour.
- 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.

### 2) Registration

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

### 3) Examination rules and regulations

The examination Rules and Regulations of KMU shall be applicable.



## 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>

## **MSc. (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.
- vi. Conduct appropriate and effective dissemination of scientific findings.

### **Eligibility Criteria**

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

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

### **Selection Criteria**

1. Percentage of final professional examination to 40 marks.
2. Percentage of Entrance test to 30 marks.
3. One mark per year of service in a recognized institution up to maximum of 5 marks.
4. Publication in HEC recognize journals maximum 5 marks
  - i. 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).

**Allocation of seats: 15**

**Fee structure:** It is a four semesters programme. Each semester is

1. Semester Fee Rs. 57,000 per semester
2. KMU Registration Fee Rs. 1,000 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**

<b>SEMESTER 1</b>				<b>YEAR 1</b>			
<b>S.No</b>	<b>Code</b>	<b>Course</b>	<b>Credit Hour</b>				
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 (MS 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>				
<b>SEMESTER 2</b>							
<b>S.No</b>	<b>Code</b>	<b>Course</b>	<b>Credit Hour</b>				
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>				
<b>SEMESTER 3</b>				<b>YEAR 2</b>			
<b>S.No</b>	<b>Code</b>	<b>Course</b>	<b>Credit Hour</b>				
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>				
<b>SEMESTER 4</b>				<b>YEAR 2</b>			
<b>S.No</b>	<b>Code</b>	<b>Course</b>	<b>Credit Hour</b>				
1	MSc Epi-Bio 599	Thesis	6				

**KHYBER MEDICAL UNIVERSITY**  
**INSTITUTE OF PHYSICAL MEDICINE AND**  
**REHABILITATION**



**Near Hayatabad Medical Complex, Phase-IV, Hayatabad, Peshawar**  
**Tel: +919217266, [www.kmu.edu.pk](http://www.kmu.edu.pk)**

## **INTRODUCTION**

Institute of Physical Medicine and Rehabilitation was established in January 2009. Initially a four years of BSPT (Bachelor of Physical Therapy Sciences) was offered, that later got changed into five years of Doctor of Physical Therapy program in 2010.

Khyber Medical University realizes the need of highly qualified Physical Therapist both for KPK and Nationwide. It is proud to announce the program of Master in Physical Therapy in two disciplines, Musculoskeletal and Neurological Physiotherapy in 2012.

This program will provide physiotherapy graduates with advanced, specialized training in respective disciplines of physiotherapy. They will have a sound base of scientific knowledge and clinical skills required to critically evaluate and contribute to current research in the basic and applied sciences relevant to disorders of the musculoskeletal and neurological system.

This program has been designed to meet both national and international standards fulfilling criteria for further education and job opportunities. Both courses are designed to enable full time study over two years period

## **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 center to help the physical therapists in planning and development of 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 provide an environment for research in physiotherapy.
- To enhance professional communication skills of physical therapy students.
- To equip student with updated knowledge and skills in physical therapy.
- To deliver physical therapy services to the community.

## TEACHING FACULTY

### FACULTY:

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



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



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Mr. HaiderDarain, Lecturer  
BSPT (Pak) M. Sc Health & Physical Education (Pak)  
PhD (UK) In progress



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



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



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Mr. Muhammad Ibrahim khan,  
Lecturer  
BSPT (Pak), MSPT (Pak), NCC (AKUH)



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



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



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**TEACHING ASSISTANT**

Mr. Fida Mohammad  
DPT (PAK)



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Miss. Marina khan  
DPT (PAK)



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Miss. Sadaf Aziz  
DPT (PAK)



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Miss. SeemaGul  
DPT (PAK)



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Miss. Zara Batool  
DPT (PAK)



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Mr. Zulfiqar Ali Shah  
DPT (PAK)



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**MANAGEMENT:**

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

**VISITING FACULTY OF BASIC SCIENCES:**

**VISITING FACULTY DPT**

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

**VISITING FACULTY MSPT**

S.No	Name	Designation
1.	Muhammad Bin Afsar Jan	Assistant Professor / Director
2.	Mujeeb-ur-Rehman	Assistant Professor, IPM&R
3.	KaramatUllah	Assistant Professor
4.	Dr. Zafar Mehmood	Associate Professor
5.	Ms. Sajida Mazhar	Lecturer, IPM&R
6.	Dr. Danish Ali Khan	Lecturer, IPM&R
7.	Muhammad Ibrahim	Lecturer, IPM&R
8.	Salman Farooqi	Lecturer, IPM&R
9.	Saudalmtiaz	Lecturer, AKI



## FACILITIES

### LEARNING RESOURCE CENTER (LRC)

IPM&R has a well-equipped learning resource center (LRC). There are 20 computers connected to internet service with access to HEC digital library and Medline which has a variety of e-books and journals related to physical therapy, basic sciences and rehabilitation sciences.

Students use LRC for self-study and preparing assignments under the supervision of computer lab manager. This facility is also readily utilized for lectures, group activity and workshops.



### AUDITORIUM

The auditorium with a capacity of 85 seating has made IPM&R a busy learning center. 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 to develop their clinical reasoning, evidence-based practice and research opportunities under the supervision of experts. 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)



## **ACADEMIC PROGRAM**

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

Physical therapy is an essential segment of modern healthcare system. It is 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, edema, physiological, structural and psychosomatic ailments. It also deals with methods of treatment based on movement, manual therapy, physical agents, and therapeutics modalities to relieve the pain and other complications. Hence, Physical therapy covers basic parameters of healing sciences i.e. preventive, promotive, diagnostic, rehabilitative, and curative

### **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.

Reflect professionalism, individual growth, learning, altruism, excellence, ethics, communication and accountability, and working together with other professionals to achieve optimal health and wellness in individuals and communities.

### **MISSION**

The Physical Therapy Programme 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 Programme will:

1. Demonstrate in-depth knowledge of the basic and clinical sciences relevant to physical therapy, both in their fundamental context and in their application to the discipline of physical therapy.
2. Understand, correlate and apply theoretical foundations of knowledge to the practice of physical therapy; evaluate and clarify new or evolving theory relevant to physical therapy.
3. Demonstrate the behaviors of the scholarly clinician by developing and utilizing the process of critical thinking and inquiry, particularly focused on the improvement of the practice of physical therapy and the delivery of healthcare.
4. Engage in reflective practice through sound clinical decision making, critical self-assessment and commitment to lifelong learning.
5. Demonstrate mastery of entry level professional clinical skills. Provision of these services is based on the best available evidence and includes physical therapy examination, evaluation, diagnosis, prognosis, intervention, prevention activities, wellness initiatives and appropriate healthcare utilization.

6. Prepared to influence the development of human healthcare regulations and policies that are consistent with the needs of the patient and of the society.
7. Demonstrate leadership, management, and communication skills to effectively participate in physical therapy practice and the healthcare team.
8. Incorporate and demonstrate positive attitudes and behaviors to all persons.
9. Demonstrate the professional and social skills to adapt to changing healthcare environments to effectively provide physical therapy care.

## ADMISSION POLICY

### ALLOCATION OF SEATS

Total seats	50
Open Merit (KPK, PATA, FATA)	44
Baluchistan	02
FATA	01
Foreign	03

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

### 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	WEIGHT
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

Semester Fee	Rs. 37,000/- per semester
KMU Registration Fee	Rs. 1,000/- once per program

## 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 511	ANATOMY –I	3	1	4	DPT 521	ANATOMY –II	3	1	4
DPT 512	PHYSIOLOGY-I	2	1	3	DPT 522	PHYSIOLOGY-II	2	1	3
DPT 513	KINESIOLOGY/BIOMECHANICS-I	2	1	3	DPT 523	KINESIOLOGY/BIOMECHANICS -II	2	1	3
DPT 514	ENGLISH-I	3	0	3	DPT 524	ENGLISH-II	3	0	3
DPT 515	PAKISTAN STUDIES	2	0	2	DPT 525	ISLAMIC STUDIES / ETHICS	2	0	2
DPT 532	INTRODUCTION TO COMPUTER	2	1	3	DPT 544	MEDICAL PHYSICS	2	1	3
<b>TOTAL</b>				<b>18</b>	<b>TOTAL</b>				<b>18</b>

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 534	ENGLISH-III	3	0	3	DPT 541	ANATOMY –IV	2	1	3
DPT 531	ANATOMY –III	2	1	3	DPT 545	BIOMECHANICS & ERGONOMICS-IV	2	1	3
DPT 533	PHYSIOLOGY-III	2	1	3	DPT 542	BEHAVIORAL SCIENCES ( <i>Psychiatry &amp; Psychology</i> )	3	0	3
DPT 535	BIOMECHANICS & ERGONOMICS-III	3	0	3	DPT 546	BIOCHEMISTRY & GENETICS II	2	0	2
DPT 536	BIOCHEMISTRY & GENETICS I	2	0	2	DPT 543	EXERCISE PHYSIOLOGY-	3	0	3
DPT 555	SOCIOLOGY	2	0	2	DPT 575	HUMAN GROWTH, DEVELOPMENT & COMMUNITY BASED REHABILITATION	2	0	2
DPT 556	HEALTH & WELLNESS	2	0	2					
<b>TOTAL</b>				<b>18</b>	<b>TOTAL</b>				<b>16</b>

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 551	PATHOLOGY & MICROBIOLOGY I	2	0	2	DPT 561	PATHOLOGY & MICROBIOLOGY II	2	1	3
DPT 552	PHARMACOLOGY I	3	0	3	DPT 562	PHARMACOLOGY II	2	0	2
DPT 553	PHYSICAL AGENTS & ELECTROTHERAPY –I	2	1	3	DPT 563	PHYSICAL AGENTS & ELECTROTHERAPY –II	2	1	3
DPT 554	THERAPEUTIC EXERCISES & TECHNIQUES	2	1	3	DPT 564	MANUAL THERAPY	2	1	3
DPT 585	PROSTHETICS & ORTHOTICS	2	0	2	DPT 565	TEACHING METHODOLOGY & COMMUNITY MEDICINE	3	0	3
DPT 595	PROFESSIONAL PRACTICE (LAWS, ETHICS, ADMINISTRATION)	2	0	2	DPT 567	SUPERVISED CLINICAL PRACTICE II	0	3	3
DPT 557	SUPERVISED CLINICAL PRACTICE I	0	3	3					
<b>TOTAL</b>				<b>18</b>	<b>TOTAL</b>				<b>17</b>

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 571	MEDICINE I	3	0	3	DPT 581	MEDICINE II	3	0	3
DPT 572	SURGERY I	3	0	3	DPT 582	SURGERY II	3	0	3
DPT 573	RADIOLOGY & DIAGNOSTIC IMAGING -	2	1	3	DPT 583	NEUROLOGICAL PHYSICAL THERAPY	2	1	3
DPT 574	MUSCULOSKELETAL PHYSICAL THERAPY	2	1	3	DPT 584	EVIDENCE BASED PRACTICE	2	1	3
DPT 516	BIOSTATISTICS-I	3	0	3	DPT 526	BIOSTATISTICS-II/ UNIVERSITY OPTIONAL	3	0	3
DPT 577	SUPERVISED CLINICAL PRACTICE III	0	3	3	DPT 587	SUPERVISED CLINICAL PRACTICE IV	0	3	3
<b>TOTAL</b>				<b>18</b>	<b>TOTAL</b>				<b>18</b>

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 5103	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					
<b>TOTAL</b>				<b>18</b>	<b>TOTAL</b>				<b>16</b>
<b>G. TOTAL</b>									<b>175</b>

## **M.S PHYSICAL THERAPY (MUSCULOSKELETAL)**

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 musculo-skeletal 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 SPECIALTY: MUSCULOSKELETAL PHYSICAL THERAPY					SEMESTER -2 SPECIALTIES: MUSCULOSKELETAL PHYSICAL THERAPY				
Course Code	NAME OF SUBJECT	CREDITS			Course Code	NAME OF SUBJECT	CREDITS		
		T	P	Tot			T	P	Tot
PTHY 701	Biomechanics I	2	1	3	PTHY 711	Biomechanics II	2	1	3
PTHY 702	Exercise Physiology	2	1	3	PTHY 712	Electro physical Agents	2	1	3
PTHY 703	Functional Anatomy	3	1	4	PTHY 713	Psychology & Bioethics	2	1	3
PTHY 715	Evidence Based Practice	1	1	2	PTHY 714	Administration & Management In Physical Therapy	3	-	3
PTHY 705	Clinical Placement-1	1	1	2	PTHY824	Biostatistics	2	0	2
					PTHY 716	Clinical Placement-2	1	1	2
<b>TOTAL</b>				<b>14</b>	<b>TOTAL</b>				<b>16</b>

SEMESTER-3 SPECIALTY: MUSCULOSKELETAL PHYSICAL THERAPY					SEMESTER-4 SPECIALTY: MUSCULOSKELETAL PHYSICAL THERAPY				
Course Code	NAME OF SUBJECT	CREDITS			Course Code	NAME OF SUBJECT	CREDITS		
		T	P	Tot			T	P	Tot
PTHY-M 821	Musculoskeletal Disorders & Sports Injuries-1	3	1	4	PTHY-M 826	Musculoskeletal Disorders & Sports Injuries-2	2	1	3
PTHY-M 822	Advance Physical Therapy Techniques (Musculoskeletal)-1	2	2	4	PTHY-M 827	Advance Physical Therapy Techniques (Musculoskeletal)-2	2	1	3
PTHY-823	Clinical Decision Making	2	0	2	PTHY-M 828	Clinical Placement	-	2	2
PTHY 704	Research Methodology	2	0	2	PTHY-M 839	Theoretical Project	0	2	2
PTHY 826	Measuring Health outcomes	2	0	2	PTHY-M 829	Research Thesis / Dissertation	-	-	6
PTHY-M 825	Clinical Placement	0	2	2					
<b>TOTAL</b>				<b>16</b>	<b>TOTAL</b>				<b>16</b>

## **M.S PHYSICAL THERAPY (NEUROLOGY)**

Physical therapy is a constantly evolving profession, which demands from the professionals to demonstrate current best practices and continued professional development at postgraduate level. The objective behind this program is to broaden the scope of physical therapy and encourage personal and professional development. The designed program will provide opportunity for students to question the current practices and to enable students to explore in-depth areas of their professional interest within physical therapy. It also aims to enable students to evaluate evidence both for current practice and for new approaches in physical therapy practice.

The structure of program and the core subjects along with clinical placements shall improve knowledge and skills for integration in clinical practices, where appropriate. The research module and dissertation, together with modules like Evidence-Based Practice and 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 701	Biomechanics I	2	1	3	PTHY 711	Biomechanics II	2	1	3
PTHY 702	Exercise Physiology	2	1	3	PTHY 712	Electrophysical Agents	2	1	3
PTHY 706	Neuroanatomy	3	1	4	PTHY 713	Psychology & Bioethics	2	1	3
PTHY 715	Evidence Based Practice	1	1	2	PTHY 714	Administration & Management In Physical Therapy	3	-	3
PTHY 705	Clinical Placement-1	1	1	2	PTHY 824	Biostatistics	2	0	2
					PTHY 716	Clinical Placement-2	1	1	2
<b>TOTAL</b>				14	<b>TOTAL</b>				16

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-N 830	The Science of Physical Therapy Practice in Neurology	3	1	4	PTHY-N 835	Principal of Physiotherapy Management of Neurological Disorders	2	1	3
PTHY-N 831	Advance Application of Physical Therapy Treatment Procedures for the Neurological Disorders-1	2	2	4	PTHY-N 836	Advance Application of Physical Therapy Treatment Procedures for the Neurological Disorders-2	2	1	3
PTHY-823	Clinical Decision Making	2	0	2	PTHY-N 837	Theoretical Project	2	-	2
PTHY 704	Research Methodology	2	0	2	PTHY-N 838	Dissertation/ Research Thesis	-	-	2
PTHY 826	Measuring Health outcomes	2	0	2	PTHY-N 839	Stroke practicum	0	0	6
PTHY-N 834	Neurological Rehabilitation Practicum	0	2	2					
<b>TOTAL</b>				16	<b>TOTAL</b>				16

## ADMISSION POLICY

### ALLOCATION OF SEATS

Musculoskeletal Physical Therapy	20 seats
Neurological Physical Therapy	20 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> & 3rd 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

a. Semester Fee	Rs. 47,000/- per semester
b. KMU Registration Fee	Rs. 1,000/- (once a program)

## 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 off the campus.

**KHYBER MEDICAL UNIVERSITY  
INSTITUTE OF NURSING SCIENCES PESHAWAR**



**PDA Commercial Flat, Near Shalman Park, Phase – VI, Hayatabad, Peshawar  
Tel: +915862514, [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 Sciences 2 year**, 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 healthcare systems.

During the course of BScN, 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 most of the care of a patient has to be managed by a nurse. Hence a great responsibility lies with a nurse.

We at the Institute of Nursing Sciences, KMU believe that nursing is an integral part of health profession & we further believe that new advances are developing in nursing that maintains its nobility in all respect. The institute is thriving to develop nursing personnel who are prepared to give comprehensive nursing care as 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 healthcare 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.No.	Name	Qualification	Designation
1	Ms Nasreen Ghani	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.(Karolinska Institute Sweden)	Assistant Professor 
2	Anis Fatima	Master of Science in Advanced Nursing 2011-2013. University of Nottingham, United Kingdom. Baccalaureate in Sciences of Nursing (BScN) 2005-2007. The Aga Khan University, School of Nursing Karachi. Pakistan.	Assistant Professor 
3	Ms Shaheen Ghani	Diploma in ICU, RN, RM, LHV, (PHSN Pesh), Post RN BSc.N, (AKUSON), MPH (PHSA)	Lecturer 
3	Muhammad Iqbal	G.BSc.N (AKU), MSc Environmental Sciences (KU)	Lecturer 
4	Bakhtair Ali Shah	G.BSc.N (AKU), CT (ECBS), MPH (BMU)	Lecturer 

5	Muhammad Zubair	Post RN BSc (Liaqat National Hospital SON (LUMHS Jamshoro) Karachi.	Lecturer 
6	Imran Inayat Yousafzai	B.S.N (Bahria University Islamabad) M.S.P.H (Quaid-I-Azam Univeristy Islamabad) PG-Cert HRHM (Edinburgh, U.K)	Lecturer 



## **VISITING FACULTY**

### **(A) VISITING FACULTY**

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

## **TEACHING LEARNING RESOURCES**

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

## **TECHING LEARNING 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 the course. The admission will be cancelled. Incomplete application forms will not be entertained.

### ALLOCATION OF SEATS

#### BSc. Nursing (4 Years Program)

Total Seats	50
a) Open merit	45 seats (05 male 40 Female) for KPK/FATA/PATA
b) Baluchistan	02 seats
c) FATA	01 seat (Special reserved seat)
d) Afghan Nationals	02 seats

#### Post RN (2 years Program)

Total Seats	50
a) Open merit	49 (7 seats for male and 42 seats for female applicants) for KP/FATA/PATA
b) FATA:	1 seat

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

**Note 1: If the female candidates do not fulfill the required quota then the seats will be offered to male candidates on open merit.**

**Note 2: If the FATA / Foreign seats remained vacant then the said seats will be converted to open merit.**

### 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 post specialty 02 years' experience as an RN in any nationally recognized institute.

**Merit will be calculated as below:-**

#### Post RN

1. Cumulative percentage of all the diploma examinations including midwifery / specialty.
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.

### **B. Sc. 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>Weight</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 AND DUES FOR ALL BACHELOR PROGRAMMES**

Semester fee	Rs. 37000 per semester
KMU Registration Fee	Rs. 1000 once per programme
PNC Enrolment Fee	Rs. 500 once per programme

**Note: The fee charged by PNC may change as per PNC requirement**

## PROGRAM STRUCTURE

### FRAMEWORK 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
	Advance nursing concepts-I theory & Practical	200	6		Advance nursing concepts-II theory, practical	200	6
	Health assessment theory & Practical	100	3		Integrated sciences – II Physics and Chemistry	100	3
	Integrated sciences – I Physiology and Microbiology	100	3		Community Health Nursing	100	5
	Computer in Nursing	50	1		Epidemiology	100	2
	Professional development	100	3		Introduction to management	100	2
	Social sciences: Sociology (culture, health and society) and Psychology	100	3		Fundamental of counseling & guidance	100	2
	English	100	2		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
	Advance nursing concepts-III theory & Practical	200	6		Curriculum planning & Development	100	2
	Nursing research	100	3		Administration in Nursing educational program	100	2
	Bio-statistic	100	3		Principles and method of evaluation	100	2
	Psychology of learning	100	3		English – IV	100	2
	Principles and methods of teaching	100	2		Practicum (in nursing education)	200	12
	Clinical teaching and clinical supervision	100	3				
	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		Community health nursing management	100	2
	Directing	50	1		English IV	100	2
	Controlling	50	1		Practicum (in community health 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
	Microbiology	2.50		0.5	3.00		Fundamental of Nursing-II	2.00	1.00	1.00	4.00
	Anatomy and Physiology-I	3.00			3.00		Anatomy and Physiology-II	3.00			3.00
	Biochemistry for Nurses	2.00		1.00	3.00		Community Health Nursing-I	2.00	*1.00		3.00
	Fundamental Of Nursing	2.00		2.00	4.00		Applied Nutrition	1.00			1.00
	English-I	2.00			2.00		English II	2.00			2.00
	Computer Skills			1.00	1.00		Islamiyat	2.00			2.00
							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
	Adult Health Nursing-I	4.00	3.00	1.00	8.00		Adult Health Nursing-II	4.00	3.00	1.00	8.00
	Pathophysiology-I	1.75		0.25	2.00		Pathophysiology-II	2.75		0.25	3.00
	Health Assessment-I	1.00		1.00	2.00		Health Assessment-II	1.00		1.00	2.00
	Pharmacology-I	2.00			2.00		Developmental Psychology	2.00			2.00
	Mathematics	1.00			1.00		Pharmacology II	2.00			2.00
	English III	2.00			2.00		English IV	2.00			2.00
							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
	Pediatrics Health Nursing	3.00	3.00	1.00	7.00		Mental Health Nursing	3.00	3.00		6.00
	Community Health Nursing-II	2.50	2.50	1.00	6.00		Introduction to Biostatistics	2.50		0.50	3.00
	Teaching/Learning Principles & Practices	3.00			3.00		Behavioral Psychology	3.00			3.00
	English IV	2.00			2.00		Epidemiology	2.00			2.00
							English-VI	2.00			2.00
							Culture, Health and Society	2.00			2.00
<b>TOTAL</b>					18	<b>TOTAL</b>					18

Year 4, Semester VII						Year 4, Semester VIII					
Course Code	Course Title	T	C	Skills/ Lab	Credit	Course Code	Course Title	T	C	Skill s/ Lab	Credit
	Critical Care Nursing	2.50	4.00	0.50	7.00		Community Health Nursing-III	2.00	3.00		5.00
	Leadership and Management in Nursing	2.00	1.00		3.00		Nursing Seminar / role transition	2.00			2.00
	Nursing Research	3.00			3.00		Clinical Practicum		<b>4.00</b>	<b>1.00</b>	5.00
	Introduction to nursing theories	2.00			2.00						
	English VII	2.00			2.00						
<b>TOTAL</b>					17	<b>TOTAL</b>					12

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

## **ONE YEAR BACCALAUREATE OF SCIENCE IN NURSING EDUCATION (FAST TRACK BSN) CURRICULUM OVERVIEW**

The BSN program is spread over a period of one year. The program comprises of 40 academic week excluding weekends, public holidays and 3 weeks semester breaks. It comprises of two semesters, 20 weeks each and has a 10-week Education Practicum at the end of second semester. The program has total 43 credits (1137 hours) including 22 nursing, 10 non-nursing and 12 credits of practicum, with additional independent study hours (321 hours)

### **THE ELIGIBILITY CRITERIA**

- Diploma in Nursing and Midwifery with minimum of 3 years of clinical experience
- Diploma in ward and teaching administration
- Valid PNC license
- Female male ratio = 95 : 5

S. No	Name and intensity of the courses	Semester	Total Credits	Credits		
				Thclinical	tut/lab	
<b>Semester I (20 weeks)</b>						
1.	Advance concept in Nursing I (path physiology, nursing concepts and pharmacology) Hospital based nursing This includes psychomotor skills	I	10 (total 300 hours/ semester)	4 (4 hours / week and 60 hours/ semester)	4 (12 hours / week and 180 hrs / semester)	2 (4 hrs/ week and 60 hrs/ semester = tutorial)
2.	Health Assessment (this includes revision of A&P)	I	4 (total 90 hours/ semester)	2 (2 hours / week and 30 hrs/ semester)		2 (4 hours / week and 60 hours/ semester)
3.	Functional English	I	2 (total 30 hours/ semester)	2 hours/ week and 30 hrs /semester)		
4.	Advance concept in Nursing II (community based nursing + concepts of culture health and society and epidemiology) This includes psychomotor skills	1	8 (total 255 hours/ semester)	3 (3 hours / week and 45 hours/ semester)	4 (12 hours / week and 180 hrs / semester)	1 (2 hrs/ week and 30 hrs/ semester = tutorial)
	Independent study time			<b>Total 120 hours in semester I</b>		
	Total credits			<b>24 credits (675 hours)</b>		
<b>Semester break (1 week)</b>						
<b>Semester II (20 weeks)</b>						
	Academic English	II	3 (total 45 hours/ semester)	3 (3 hours/ week and 45 hrs / semester)		
	Research and biostatistics	II	6 (total 135 hours/ semester)	3 (3 hrs/ week and 45 hrs / semester)		3 (6 hrs / week and 90 hrs/ semester)
	Educational methodologies / Introduction to health professional education <ul style="list-style-type: none"> <li>• Teaching learning methodologies</li> <li>• clinical teaching</li> <li>• course planning and evaluation</li> <li>• assessments and evaluations (cognitive, affective and psychomotor)</li> <li>• Behavior Change Communication (psychology of learning)</li> <li>• Educational theories</li> </ul>	II	12  Total 260 hrs in 10 weeks	4 (4 hours / week / 40 hrs in 10 weeks)	6 (18 hours/ week and 180 hrs 10 week)	2 (4 hrs / week and 40 weeks)
5.	Independent study time			<b>105 hours in semester II</b>		
	Total credits			<b>21 credits (440 hours)</b>		
	<b>Total Hours</b>			<b>1115 hrs (45 credits) + 225 independent study time = 1385</b>		

## **MASTER IN NURSING (MSN) TWO YEARS PROGRAMME**

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

KMU identified the gaps in the existing healthcare delivery system and started to bridge these gaps in order to improve the system. In this context nursing profession is an important and specialized component of healthcare system.

In 2009 KMU started BSc Nursing 4 years generic and BSc Post RN 2 years programmes. So far three batches of Post RN and one batch of BSN 4 years have qualified. KMU has now decided to start 2 years MSN programme from February 2014. This programme 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. BScN (4 Years Generic) or BSc Post RN from a recognized university or Degree Awarding Institutions.
2. Two years post qualification professional experience in a recognized institution
3. CGPA of not less than 2.5.
4. Valid PNC license.
5. Both male and female can apply.
6. Domicile open.

### **Selection Criteria**

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/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).

### **Allocation of seats:**

**15**

### **Fee structure:**

KMU Registration Fee	Rs. 1000 Once
Semester Fee	Rs. 47000 per semester
PNC Enrolment Fee	Rs. 1000 Once

***Note: The fee charged by PNC may change as per PNC requirement***

## MSc Nursing Programme Structure

<b>Year 1, Semester 1</b>		
<b>Code</b>	<b>Course</b>	<b>Credit Hours</b>
MSc-NU 511	Nursing Theory	3
MSc-NU 512	Nursing Education	2
MSc-NU 513	Advance Health & Clinical Assessment	3
MSc-NU 514	Advanced Pathophysiology for Common Diseases	3
MSc-NU 515	Nursing Research Qualitative and Quantitative	3
MSc-NU 516	Journal Club / Graduate Seminar	2
MSc-NU 517	Nursing Ethics	1
<b>Total</b>		<b>17</b>

<b>Year 1, Semester 2</b>		
<b>Code</b>	<b>Course</b>	<b>Credit Hours</b>
MSc-NU 521	Epidemiology & Biostatistics	3
MSc-NU 522	Nursing Administration and Leadership	2
MSc-NU 523	Advanced Pharmacology	2
MSc-NU 524	Nursing Informatics	2
MSc-NU 525	Behavioral Sciences	2
MSc-NU 516	Journal Club / Graduate Seminar	2
MSc-NU 526	Proposal writing	2
MSc-NU 527	Project Management : (Administration, Financing, Resource Man agent)	2
<b>Total</b>		<b>17</b>

<b>Year 2, Semester 3 "A. Clinical Nursing"</b>		
<b>Code</b>	<b>Course</b>	<b>Credit Hours</b>
MSc-NU 531	Applied Pharmacology	2
MSc-NU 532	Advance Pathophysiological Applications	3
MSc-NU 533	Acute Symptoms Management	3
MSc-NU 516	Journal Club / Graduate Seminar	2
MSc-NU 534	Counseling	1
<b>Total</b>		<b>11</b>

<b>Year 2, Semester 4 "Clinical Nursing"</b>		
<b>Code</b>	<b>Course</b>	<b>Credit Hours</b>
MSc-NU 541	Practicum for Clinical Nursing	10
MSc-NU 599	Research Thesis	6
<b>Total</b>		<b>16</b>

<b>Semester 3 "B. Nursing Management "</b>		
<b>Code</b>	<b>Course</b>	<b>Credit Hours</b>
MSc-NU 551	Resource Management in Nursing	3
MSc-NU 552	Advance Concepts in Nursing Leadership	3
MSc-NU 553	Strategic Management	3
MSc-NU 516	Journal Club / Graduate Seminar	2
MSc-NU	Quality Assessment, Quality Care Standard	
<b>Total</b>		<b>11</b>

<b>Year 2, Semester 4 "Clinical Nursing"</b>		
<b>Code</b>	<b>Course</b>	<b>Credit Hours</b>
MSc-NU 541	Practicum for Nursing Management	10
MSc-NU 599	Research Thesis	6
<b>Total</b>		<b>16</b>

<b>Semester 3 "C. Nursing Education"</b>		
<b>Code</b>	<b>Course</b>	<b>Credit Hours</b>
MSc-NU 571	Teaching Methodology	3
MSc-NU 572	Educational Psychology	3
MSc-NU 573	Curriculum Development	3
MSc-NU 574	Assessment (MCQ/SEQ/TOACS/EMQ)	3
MSc-NU 516	Journal Club / Graduate Seminar	2
<b>Total</b>		<b>14</b>

<b>Year 2, Semester 4 "Nursing Education"</b>		
<b>Code</b>	<b>Course</b>	<b>Credit Hours</b>
MSc-NU 541	Practicum for Nursing Education	10
MSc-NU 599	Research Thesis	6
<b>Total</b>		<b>16</b>

## **LIBRARY RULES**

The Institute of Nursing Sciences at Khyber Medical University has a resource rich library. 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 for no more than two weeks.
4. Faculty members will be entitled to borrow five books at a time and may retain them for a period of four weeks.
5. Library Card shall be issued to each person to borrow books from the library. Such card shall be non-transferable and will be issued free of charge.
6. Borrowers shall be responsible for the books used on their cards. Any damage or loss will be recovered from them.
7. The Librarian may refuse to lend books to any person who fails to clear the fine and will send names of the defaulters to head of department.
8. Students will be fined for the overdue books Rs. 20/- per book per day.
9. Books, which are required for reference, such as Encyclopaedias, Dictionaries etc. and books of greater value shall not be removed from the library.
10. Stock lacking books will not be issued to the members and upon notification of stock lacking all books borrowed out should be returned immediately.
11. Silence and order must be maintained in the Library at all times.
12. The library shall be under the control of Librarian.

## **DRESS CODE:**

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

### **FOR MALE STUDENTS:**

The students will wear gray dress pant, white dress shirt, black shoes, ID card and white overall in the campus.

White paint, white shirt and black shoes at clinical areas.

In winter students will wear maroon sweater/jersey/coat.

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:**

The students shall wear white shalwar, plain maroon shirt, white dupata, overall, black shoes and ID card in the campus.

The students will wear white shalwar, white shirt, white coat, black shoes and ID card at the clinical.

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 student not wearing the above mentioned uniform will not be 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 behaviour 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 and 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**



**10/ B-3 KMU New Compound Phase – V, Hayatabad, Peshawar  
Tel: +919217838, +915892838, [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 professional be produced having enhanced knowledge, skills and behaviours who can be able to add to healthcare delivery effectively and improve the



services provision in Khyber Paktunkhwa (KP). The idea was conceived to have an institute producing technologists to meet the requirement. In the aftermath of this idea the Institute of Paramedical Sciences (IPMS) of Khyber Medical University was established in 2012 to materialize the perceived idea and offered BS 4 years programme to students. The IPMS, till date, is the only public sector institute in KP where BS programmes are offered in paramedical sciences. For the first batch, admissions were offered in six disciplines (Cardiology, Radiology, Anesthesia, Medical Laboratory Technology (MLT), surgical Technology, and Dental Technology) and a total of 150 students were given admission. For the second batch the Bs programme was extended to 10 disciplines adding 4 four more (Cardiac Perfusion, Intensive Care, Dialysis, and Emergency Technology) to the already existing six disciplines..

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

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

## VISION

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

## MISSION

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

### Objectives of the Paramedical Sciences Program

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

### Management and Faculty

Management team comprising, responsible to organize and manage entire teaching and learning activities at institute level and coordinate with KMU Authorities. The institution is headed by:

S.No.	Name	Qualification	Designation
1	Lt Col (R) Dr. Javed Khan	MPH , (KMU)  MBBS,  POST GRADUATE DIPLOMA IN DISASTERS PREPAREDNESS AND MANAGEMENT (UOP)	<b>Consultant</b> 
2	Dr. Bibi Maryam,	BDS, FCPS CHPE(KMU)	<b>Lecturer Dental Sciences</b> 
3	Muhammad Jaseem Khan	BSc MLT (Punjab), MSc (PMAS-AAUR), M. Phil (QAU) CHPE(KMU)	<b>Lecturer Medical Lab Tech</b> 

3	Shaikh Atif Mehmood	BS Medical Imaging Technology(UHS) MSc, Ultrasound(BKU) CHPE(KMU)	<b>Lecturer Radiology</b> 
4	Muhammad Imran	BS Cardiology (Cardiac Perfusion)(UHS) DHMS, MSc Ultrasound (BKU) CHPE(KMU)	<b>Lecturer Cardiology</b> 
5	Matiullah	BS Anaesthesia (UOP) CHPE (KMU)	<b>Lecturer Anaesthesia</b> 
6	Benish Islam	BS Surgical Technology (KEMU) CHPE (KMU)	<b>Lecturer Surgical Tech</b> 
7	Amanullah	BSc Medical Lab Technology (BMU) MSc –Microbiology(UOK) M. Phil Microbiology (QAU)	<b>Lecturer Medical Lab Tech</b> 
8	Muhammad AsifZeb	BSc Medical Technology (BMU) Gold Medalist MSc Haematology (BMU) Gold Medalist	<b>Lecturer Medical Lab Tech</b> 
9	Yousaf Khan	BS Dialysis Sarhad University of Information Technology Gold Medalist CHPE (KMU)	<b>Lecture Dialysis</b> 

10	Syed Hassan Askari	BS Emergency & Intensive Care (UHS) CHPE (KMU)	<b>Lecturer Emergency &amp; Intensive Care</b> 
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### Teaching Learning Resources

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

### Teaching & Learning Strategies

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

### Clinical Affiliation

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

### Student Counseling Service (SCS)

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

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

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

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

### **IPMS Campus**

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



### **Computer Lab**

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



### **Canteen**

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

### **Transport**

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

### **Dress code**

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

Students started attending all the three teaching hospitals and Khyber College of Dentistry

### **Clinical Attachment IPMS Students in Hayatabad Medical Laboratory**



## **Programs of Studies**

### **Undergraduate Level**

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

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

### **Admissions**

Admission Criteria for BS Program (Morning shift)

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

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

#### **EXAMPLE**

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

EAEA Entry Test marks 460/800 or 57.5%

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

The merit of a student will be calculated as follows

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

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

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

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

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

### **Number and distribution of seats**

A total of 225 students (200 in morning and 25 in evening) will be admitted. Two seats in each will be reserved for in-service candidates who have the required qualification and one seat in each will be reserved for foreign candidates. If in-service candidates and foreign candidates don't fill their allotted quota, the remaining seats will be converted to open merit.

### **Fee structure**

Semester Fee	Rs. 37,000 per semester
KMU Registration Fee	Rs. 1,000 once per program

### **Financial Assistance:**

Financial assistance is provided to needy students from different resources (HEC Need Base Scholarship & KMU Venue)

### **THE DURATION OF THE PROGRAM IS 4YEARS.**

- The semester system of examination is followed.
- The program is spread over 8 semesters; each of 16 weeks intensive course work.
- Students have to complete 124-136 Credit hours course work which includes Clinical / Practical work in the relevant specialty.
- Semester-1 and semester- 2 is common for all specialties and is comprised of basic medical sciences and other related subjects.
- Subsequent 6 semesters are comprised of specialized courses in the relevant specialty.

### **Selection Criteria for In-Service Candidates:**

- For the in-service candidates minimum of service is not less than 2 years. The in-service candidates will be offered admission on the basis of seniority. One mark per year of service in the relevant field up to maximum of 5 marks will be added to the final merit. They will be offered admission in only that particular specialty in which he or she has been appointed.

## Program structure

### Scheme of Studies for 1<sup>st</sup> & 2<sup>nd</sup> Semester

BS Paramedics (First year subjects are common for all disciplines)

First semester					Second semester				
Course Code	Name of subject	CREDITS			Course Code	Name of subject	CREDITS		
		T	P	Tot			T	P	Tot
PMS-101	Biochemistry-i	3	1	4	PMS-107	Biochemistry-ii	3	1	4
PMS-102	Physiology-i	3	1	4	PMS-108	Physiology-ii	3	1	4
PMS-103	Anatomy-i	3	1	4	PMS-109	Anatomy-ii	3	1	4
PMS-104	English-i	2	0	2	PMS-110	English-ii	2	0	2
PMS-105	Pak studies	2	0	2	PMS-111	Islamic Studies	2	0	2
PMS-106	Computer Skills	2	0	2					
Total				18	Total				16

### Scheme of Studies for 4 Year BS Medical Laboratory Technology

Third semester					Fourth semester				
Course Code	Name of subject	Credits			Course Code	Name of subject	Credits		
		T	P	Tot			T	P	Tot
PMS-201	Haematology-i	2	1	3	PMS-207	Haematology-ii	2	1	3
PMS-202	General Pathology-i	2	1	3	PMS-208	Blood banking	2	1	3
PMS-203	Medical Microbiology	2	1	3	PMS-209	G. Bacteriology	2	1	3
PMS-204	Behaviorial sciences	2	0	2	PMS-210	Chemical Pathology	2	1	3
PMS-205	G. Pharmacology	2	1	3	PMS-211	G. Pathology-ii	2	1	3
PMS-206	Human Genetics	2	1	3	PMS-212	Communication Skills	2	0	2
Total				17	Total				17

Fifth Semester					Sixth Semester				
Course Code	Name of Subject	CREDITS			Course Code	Name of Subject	Credits		
		T	P	Tot			T	P	Tot
PMS-301	Clinical Parasitology	2	1	3	PMS-307	Instrumentations	2	1	3
PMS-302	Clinical Virology	2	1	3	PMS-308	Biostatistics	2	1	3
PMS-303	Clinical Pathology	2	1	3	PMS-309	Communicable and Noncommunicable Diseases	1	1	2
PMS-304	Clinical Mycology	1	1	2	PMS-310	Research methodology	2	1	3
PMS-305	Immunology & Disorder of Immune System	2	1	3	PMS-311	Histopathology	2	1	3
PMS-306	Logic	2	0	2	PMS-312	Serology & Immunohistochemistry	2	1	3
Total				16	Total				17

Seventh Semester					Eight Semester				
Course Code	Name Of Subject	CREDITS			Course Code	Name Of Subject	CREDITS		
		T	P	Tot			T	P	Tot
PMS-401	Advance Chemical Pathology	3	1	4	PMS-406	Research Project			6
PMS-402	Bioinformatics	2	1	3	PMS-407	Seminar			1
PMS-403	Biotechnology	2	1	3	PMS-408	Bioethics	2	0	2
PMS-404	Molecular Biology	2	1	3	PMS-409	Epidiomology	1	1	2
PMS-405	Clinical Microbiology	2	1	3	PMS-410	Laboratory Quality Management	3	0	3
Total				16	Total				14

### Scheme of Studies for 4 Year BS Cardiology

Third Semester					Fourth Semester				
Course Code	Name Of Subject	CREDITS			Course Code	Name Of Subject	CREDITS		
		T	P	Tot			T	P	Tot
PMS-201	Hematology-I	2	1	3	PMS-207	Hematology-Ii	2	1	3
PMS-212	Microbiology-I	2	1	3	PMS-216	Microbiology-Ii	2	1	3
PMS-213	Cardiopulmonary Anatomy-I	2	1	3	PMS-217	Cardiopulmonary Anatomy-Ii	2	1	3
PMS-214	Cardiopulmonary Physiology-I	2	1	3	PMS-218	Cardiopulmonary Physiology-Ii	2	1	3
PMS-215	Behavioural Sciences	2	0	2	PMS-219	Communicable And Non-Communicable Diseases	2	0	2
PMS-205	Epidemiology	2	0	2					
Total				16	Total				14

Fifth Semester					Sixth Semester				
Course Code	NAME OF SUBJECT	CREDITS			Course Code	NAME OF SUBJECT	CREDITS		
		T	P	Tot			T	P	Tot
PMS-313	CARDIOPULMONARY DISEASES-I	2	2	4	PMS-318	SURGERY	2	1	3
PMS-314	Electrophysiology	2	1	3	PMS-319	Cardiopulmonary Diseases-Ii	2	2	4
PMS-315	General Pathology	2	1	3	PMS-320	Special Pathology	1	1	2
PMS-316	Pharmacology-I	2	1	3	PMS-321	Advance Diagnostic Equipments	2	1	3
PMS-317	Introduction To Diagnostic Equipments	2	1	3	PMS-322	Medical Physics	2	1	3
PMS-306	Logic	2	0	2	PMS-323	Pharmacology-Ii	2	1	3
Total				18	Total				18

Seventh Semester					Eight Semester				
Course Code	Name Of Subject	CREDITS			Course Code	Name Of Subject	CREDITS		
		T	P	Tot			T	P	Tot
PMS-409	Perfusion Technology-I	2	2	4	PMS-406	Research Project			6
PMS-410	Cardiac Surgery	2	2	4	PMS-407	Seminar			1
PMS-411	Research Methodology	2	1	3	PMS-413	Perfusion Technology-Ii Subject Of Own Intrest	2	2	4
PMS-402	Bioinformatics	2	1	3					
PMS-412	Biostatistics	2	1	3					
Total				17	Total				11

### Scheme of Studies for 4 Year BS Radiology

Third Semester					Fourth Semester				
Course Code	Name Of Subject	Credits			Course Code	Name Of Subject	Credits		
		T	P	Tot			T	P	Tot
PMS-240	Regional And Radiological Anatomy-I	2	1	3	PMS-244	Regional And Radiological Anatomy-II	3	1	4
PMS-241	Radiation Sciences And Technology	2	1	3	PMS-245	Conventional Radiological Procedures & Clinical Practice	2	2	4
PMS-242	General Radiology	2	2	4	PMS-246	Radiological Positioning & Clinical Practice	2	2	4
PMS-215	Behavioral Sciences	2	0	2	PMS-253	Computed & Digital Radiography	1	1	2
PMS-211	General Pharmacology	2	0	2	PMS-248	Radiation Protection And Safety	1	1	2
PMS-202	General Pathology	1	1	2	PMS-243	Clinical Medicine-I	1	1	2
Total				16	Total				18

Fifth Semester					Sixth Semester				
Course Code	Name Of Subject	CREDITS			Course Code	Name Of Subject	CREDITS		
		T	P	Tot			T	P	Tot
PMS-349	Computed Tomography(Ct)	2	2	4	PMS-354	Radiological & Cross Sectional Anatomy	3	1	4
PMS-350	Mammography & Special Radiological Techniques	2	1	3	PMS-355	Computed Tomographic Procedures & Clinical Practice	2	2	4
PMS-351	Magnetic Resonance Imaging (Mri)	2	2	4	PMS-356	Magnetic Resonance Imaging Procedures & Clinical Practice	2	2	4
PMS-318	Surgery	1	1	2	PMS-357	Therapeutic Radiology	1	1	2
PMS-352	Medical Sociology	2	0	2	PMS-322	Patient Care And Management	2	0	2
PMS-247	Clinical Medicine-ii	1	1	2	PMS-323	Bio And Medical Ethics	2	0	2
Total				17	Total				18

SEVENTH SEMESTER					EIGHT SEMESTER				
Course Code	NAME OF SUBJECT	CREDITS			Course Code	NAME OF SUBJECT	CREDITS		
		T	P	Tot			T	P	Tot
PMS-424	Ultrasound	2	2	4	PMS-412	Biostatistics	3	0	3
PMS-425	Angiography and Cardiac Imaging	2	2	4	PMS-430	Interventional Radiology	1	1	2
PMS-426	Nuclear Medicine	2	1	3	PMS-406	RESEARCH PROJECT			6
PMS-427	Echocardiography	1	1	2					
PMS-428	Electrocardiography	1	1	2					
PMS-429	Clinical Pathology & Radiological Presentation	1	1	2					
TOTAL				17	TOTAL				11

### Scheme of Studies for 4 Year BS Dental Technology

Third Semester					Fourth Semester				
Course Code	Name Of Subject	CREDITS			Course Code	Name Of Subject	CREDITS		
		T	P	Tot			T	P	Tot
PMS-202	General Pathology	2	1	3	PMS-236	Oral Anatomy And Tooth Morphology	3	1	4
PMS-232	Dental Pharmacology	2	1	3	PMS-237	Science Of Dental Material 2	2	1	3
PMS-233	Specialized Anatomy To Oral Cavity	2	1	3	PMS-219	Communicable And Noncom Diseases	2	1	3
PMS-211	Pharmacology	1	1	2	PMS-238	Pre-Clinical Demonstration Dentistry	1	2	3
PMS-234	Full Denture & Partial Denture	2	1	3	PMS-239	Dental Radiology \ Equipment Technique Quality Assurance & Quality Control	2	1	3
PMS-235	Science Of Dental Materials 1	2	1	3					
PMS-215	Behavior Sciences	2	0	2					
Total				19	TOTAL				16

Fifth Semester					Sixth Semester				
Course Code	Name Of Subject	Credits			Course Code	Name Of Subject	Credits		
		T	P	Tot			T	P	Tot
PMS-336	Oral Pathology And Microbiology	2	1	3	PMS-342	Prosthodontics	2	1	3
PMS-337	Periodontology	2	1	3	PMS-343	Maxillofacial Surgery.	2	1	3
PMS-338	Preventive Dentistry	2	1	3	PMS-344	Conservation Dentistry	1	1	2
PMS-339	Dental Pharmacology	2	1	3	PMS-345	Orthodontics	2	1	3
PMS-340	General & Local Anesthesia Related To The Maxillofacial Surgery	2	1	3	PMS-346	Instrumentations	2	1	3
PMS-341	Pre & Post OP Protocol	2	1	3	PMS-347	Sterilization & Disinfection	3	1	4
Total				18	Total				18

Seventh Semester					Eight Semester				
Course Code	Name Of Subject	Credits			Course Code	Name Of Subject	Credits		
		T	P	Tot			T	P	Tot
PMS-419	Implantology& Advanced Prosthodontics	3	1	4	PMS-412	Biostatics & Research Method			6
PMS-420	Advanced Maxillofacial Surgery	2	1	3	PMS-406	Research Project	2	1	3
PMS-421	Advanced Orthodontics	2	1	3					
PMS-422	Advanced Conservation	2	1	3					
PMS-423	Advanced Periodontology	2	1	3					
Total				16	Total				9

### Scheme of Studies For 4 Year BS Surgery

Third Semester					Fourth Semester				
Course Code	Name Of Subject	Credits			Course Code	Name Of Subject	Credits		
		T	P	Tot			T	P	Tot
PMS-220	Surgical instruments and equipment	2	1	3	PMS-223	OT Design	2	1	3
PMS-221	Sterilization	2	1	3	PMS-209	Clinical Microbiology I	2	1	3
PMS-203	Pharmacology	1	1	2	PMS-224	General Surgery	2	1	3
PMS-204	Bioethics	2	0	2	PMS-225	Diagnostic Imaging	2	0	2
PMS-205	General Pathology	2	1	3	PMS-226	Forensic Medicine	2	1	3
PMS-222	Quality Assurance and Bio safety	2	1	3	PMS-227	Anesthesia Equipment	2	1	3
	Psychology	2	0	2					
TOTAL				18	TOTAL				17

Fifth Semester					Sixth Semester				
Course Code	Name Of Subject	Credits			Course Code	Name Of Subject	Credits		
		T	P	Tot			T	P	Tot
PMS-324	Trauma management	1	2	3	PMS-331	Patient positioning	2	1	3
PMS-325	Clinical Microbiology II	2	1	3	PMS-332	Perioperative care	2	1	3
PMS-326	ICU management	1	1	2	PMS-333	Clinical and operative general surgery I	2	1	3
PMS-327	The surgical first Assistant	2	1	3	PMS-334	Clinical and operative general surgery II	2	1	3
PMS-328	Diagnostic Procedures	2	1	3	PMS-335	Clinical and Operative Gynecologic and obstetric surgery	2	1	3
PMS-329	Fluid and Electrolyte balance	2	0	2	PMS-308	Biostatistics	2	1	3
PMS-330	Epidemiology	2	0	2					
Total				18	Total				18

Seventh Semester					Eight Semester				
Course Code	NAME OF SUBJECT	CREDITS			Course Code	NAME OF SUBJECT	CREDITS		
		T	P	Tot			T	P	Tot
PMS-414	Clinical and operative Orthopedic surgery	3	1	4	PMS-406	RESEARCH PROJECT			6
PMS-415	Clinical and operative pediatric surgery	2	1	3					
PMS-416	Clinical and operative Ophthalmic surgery	2	1	3					
PMS-417	Clinical and operative thoracic surgery	2	1	3					
PMS-418	Endoscope and Robotic Surgery			2					
PMS-411	Research Methodology	2	1	3					
TOTAL				18	TOTAL				6

### Scheme of Studies for 4 Year BS Emergency Technology

THIRD SEMESTER					FOURTH SEMESTER				
Course Code	NAME OF SUBJECT	CREDITS			Course Code	NAME OF SUBJECT	CREDITS		
		T	P	Tot			T	P	Tot
PMS-201	GENERAL PHARMACOLOGY	2	1	3	PMS-207	GENERAL PATHOLOGY-II	2	1	3
PMS-202	GENERAL PATHOLOGY-I	2	1	3	PMS-208	MEDICAL EMERGENCY-II	2	1	3
PMS-203	MEDICAL MICROBIOLOGY-I	2	1	3	PMS-209	MEDICAL MICROBIOLOGY-II	2	1	3
PMS-204	BEHAVIORIAL SCIENCES	2	0	2	PMS-210	HEAMATOLOGY	2	1	3
PMS-205	MEDICAL EMERGENCY-I	2	1	3	PMS-211	EMERGENCY MEDICINE	2	1	3
PMS-206	COMMUNICATION SKILLS	2	1	3	PMS-212	DISASTER MANAGEMENT	2	0	2
TOTAL				17	TOTAL				17

Fifth Semester					Sixth Semester				
Course Code	Name Of Subject	Credits			Course Code	Name Of Subject	Credits		
		T	P	Tot			T	P	Tot
PMS-301	Trauma Emergency-I	2	1	3	PMS-307	Trauma Emergency-Ii	2	1	3
PMS-302	Surgical Emergency-I	2	1	3	PMS-308	Surgical Emergency-Ii	2	1	3
PMS-303	Neurologic Emergency	2	1	3	PMS-309	Management Of Cardiovascular Emergencies	2	1	3
PMS-304	Diagnostic & Imaging Studies	1	1	2	PMS-310	Bio-Statistic	2	1	3
PMS-305	Burns & Toxicology	2	1	3	PMS-311	Bioethics	2	0	2
PMS-306	Epidemiology And Fundamental Of Infection.	1	1	2	PMS-312	Respiratory Therapy-I	2	1	3
Total				16	Total				17

Seventh Semester					Eight Semester				
Course Code	Name Of Subject	Credits			Course Code	Name Of Subject	Credits		
		T	P	Tot			T	P	Tot
PMS-401	Obstetrical Emergency-I	3	1	4	PMS-406	Obstetrical Emergency-Ii	2	1	3
PMS-402	Neonatal & Pediatric Emergency-I	2	1	3	PMS-407	Pediatric Emergency-Ii	2	1	3
PMS-403	Respiratory Therapy-Ii	2	1	3	PMS-408	Transportation Of Critically Ill Patient	1	1	2
PMS-404	Research Methodology	3	0	3	PMS-409	Professional Managerial Skill	2	0	2
PMS-405	Life Support & Resuscitation	2	1	3	PMS-410	Research Project	6	0	6
Total				16	Total				16

### Scheme of Studies for 4 Year BS Intensive Care Technology

Third Semester					Fourth Semester				
Course Code	Name of Subject	Credits			Course Code	Name of Subject	Credits		
		T	P	Tot			T	P	Tot
PMS-201	General Pharmacology	2	1	3	PMS-207	General Pathology-Ii	2	1	3
PMS-202	General Pathology-I	2	1	3	PMS-208	Medical Intensive Care-Ii	2	1	3
PMS-203	Medical Microbiology-I	2	1	3	PMS-209	Medical Microbiology-Ii	2	1	3
PMS-204	Behavioral Sciences	2	0	2	PMS-210	Hematology	2	1	3
PMS-205	Medical Intensive Care-I	2	1	3	PMS-211	Intensive Care Medicine	2	1	3
PMS-206	Communication Skills	2	1	3	PMS-212	Applied Physics In Intensive Care	2	0	2
Total				17	Total				17

Fifth Semester					Sixth Semester				
Course Code	Name of Subject	Credits			Course Code	Name of Subject	Credits		
		T	P	Tot			T	P	Tot
PMS-301	Trauma Intensive Care-I	2	1	3	PMS-307	Trauma Intensive Care-Ii	2	1	3
PMS-302	Surgical Intensive Care-I	2	1	3	PMS-308	Surgical Intensive Care-Ii	2	1	3
PMS-303	Anaesthetic & Equipment Study	2	1	3	PMS-309	Management Of Cardiovascular Emergencies In Intensive Care	2	1	3
PMS-304	Diagnostic & Imaging Studies	1	1	2	PMS-310	Bio-Statistic	2	1	3
PMS-305	Burns & Toxicology	2	1	3	PMS-311	Bioethics	2	0	2
PMS-306	Epidemiology And Fundamental Of Infection.	1	1	2	PMS-312	Respiratory Therapy	2	1	3
TOTAL				16	TOTAL				17

Seventh Semester					Eight Semester				
Course Code	Name Of Subject	CREDITS			Course Code	Name Of Subject	CREDITS		
		T	P	Tot			T	P	Tot
PMS-401	Obstetrical E Intensive Care-I	3	1	4	PMS-406	Obstetrical Intensive Care-Ii	2	1	3
PMS-402	Neonatal & Pediatric Intensive Care-I	2	1	3	PMS-407	Pediatric Intensive Care-Ii	2	1	3
PMS-403	Recognition & Management Of Organ Failure	2	1	3	PMS-408	Transportation Of Critically Ill Patient	1	1	2
PMS-404	Research Methodology	3	0	3	PMS-409	Professional Managerial Skill	2	0	2
PMS-405	Life Support & Resuscitation	2	1	3	PMS-410	Research Project	6	0	6
Total				16	Total				16

### Scheme of Studies for 4 Year BS Renal Dialysis Technology

Third Semester					Fourth Semester				
Course Code	Name Of Subject	CREDITS			Course Code	Name Of Subject	CREDITS		
		T	P	Tot			T	P	Tot
PMS-	Hematology-I	2	1	3	PMS-	Hematology-I	2	1	3
PMS-	General Pathology-I	2	1	3	PMS-	General Pathology-I	2	1	3
PMS-	M. Microbiology-I	2	1	3	PMS-	Microbiology-I	2	1	3
PMS-	Communication Skill	1	1	2	PMS-	Behavioral Science	2	0	2
PMS-	G. Pharmacology-I	2	1	3	PMS-	General Pharmacology-I	2	1	3
PMS-	Anatomy And Physiology Of Kidney	2	1	3	PMS-	General Pathology Of Kidney	2	1	3
Total				17	Total				17

Fifth Semester					Sixth Semester				
Course Code	Name Of Subject	CREDITS			Course Code	Name Of Subject	CREDITS		
		T	P	Tot			T	P	Tot
PMS-301	Kidney Failure	2	1	3	PMS-307	Dialysis In Special Situation	2	1	3
PMS-302	Principle Of Dialysis	2	1	3	PMS-308	Peritoneal Dialysis	2	1	3
PMS-303	Dialysis Procedure	2	1	3	PMS-309	Complication Of Peritoneal Dialysis	2	1	3
PMS-304	Acute Complication Of Dialysis	2	1	3	PMS-310	Dialysis Adequacy	2	1	3
PMS-305	Fundamental Of Infection Control	2	0	2	PMS-311	Bioethics	2	0	2
PMS-306	Chronic Complication Of Dialysis	3	1	4	PMS-312	Bio-Statistic	3	0	3
Total				18	Total				17

Seventh Semester					Eight Semester				
Course Code	Name Of Subject	CREDITS			Course Code	Name Of Subject	CREDITS		
		T	P	Tot			T	P	Tot
PMS-	Specialized Dialysis	2	1	3	PMS-	Research Project	6	0	6
PMS-	Nutrition In Dialysis	2	1	3	PMS-	Seminar	1	0	1
PMS-	Nursing Care Of Dialysis Patient	2	1	3	PMS-	Death In Dialysis	2	1	3
PMS-	Blood Bank	2	2	4	PMS-	Drug Prescribing In Patient On Dialysis	2	1	3
PMS-	Research Methodology	3	0	3					
Total				16	Total				13

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

### **Introduction**

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

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

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

### **Program Structure:**

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

### **Admission policy:**

#### **Eligibility Criteria:**

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

#### **Selection Criteria**

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

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

#### **Fee structure**

Semester Fee	Rs. 37000 per semester
KMU Registration Fee	Rs. 1000 once per program

### COURSES FOR B.Sc (Hons) MLT

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

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

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

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

## Academic Quality

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

## Facilities

Learning Resource Center (LRC)

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



## Library/Disciplinary Rules and Regulations

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

## EXAMINATIONS

### 1. Method of Examination:

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

### 2. Registration

Students are registered with Examination Section within a week after the admission.

### 3. Examination rules and regulations

The examination Rules and Regulations of KMU are applicable.

Co-Curricular Activities& Study Tours

