

Prospectus

Khyber Medical University

2011



Committed To Excellence in Academics & Research

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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, Asciepius 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.

Price Rs. 500/-

Prospectus

Contents

Message from Chancellor

Message from Vice Chancellor

INTRODUCTION:

Khyber Medical University is one of the new generation of Medical Universities of 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 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 best 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 health care team

KMU MISSION

We hope to achieve our vision by:

- Creating learning opportunities for equipping all health care providers with knowledge, skills and attitude 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 at 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 attitudes;
- Providing a supportive environment to promote an attitude of life-long learning to all health care 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 health care 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 accountability;
- Service to local, regional, national and international communities; and
- Continuous improvement of our programs through processes of sustainable development.



Senate Meeting

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.

3. 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.

4. 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.

5. Applications for admission in any degree programme 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.

6. Applications for admission in any degree programme 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.

7. A candidate may apply for admission in more than one subject and each application shall indicate the degree programme applied for.

8. Applications for admission will be scrutinised 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

9. 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.

10. If any candidate fails to appear before the Admission Committee for an interview at the fixed time he shall not be considered for admission.

11. 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.

12. In case of doubtful or undefined validity of any academic qualification as equivalent to a recognised examination the provisional admission will be subject to the verification or recognition of the qualification by the Equivalence Committee of the Academic Council.

13. 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.

14. 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.

15. 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.

16. 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.

17. 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 programmes of the university class shall be open to the candidates who have passed the bachelors examinations of the University or any other recognised University, securing at least 50% marks in the aggregate or the subject in which the applicant is seeking admission in Masters degree programme.

20. Candidates passing bachelor degree in the supplementary examination shall not be eligible for admission to Master programmes 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 1st of September of the relevant session in which admission is sought and if they obtain 75% marks in the qualifying examination from a recognised Foreign Institution or at least 2nd Division from a Pakistani Institution.

22. Admission in each next semester of degree programme 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 programme 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 his 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 students may be re-admitted only in case the Admission Committee is satisfied that the absence was not wilful 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 rolls. 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. One percent of the seats shall be reserved in each Institute for disabled students.

30. 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 REFUND POLICY OF KMU

In case of cancellation of admission of 1st semester in Bachelor / Master Level Program, the refund will be made as per policy after deduction given below:

- a. Student who leaves the Bachelor / Master level program within the stipulated period of admission 5% of whole dues of 1st semester
- b. .b. Student who leaves the Bachelor / Master level program within the 7 days of admission 10% of whole due of 1st semester.
- c. Student who leaves the Bachelor / Master level program from 8 to 14 days of starting of classes 15% of whole dues of 1st semester.
- d. Student who leaves the Bachelor / Master level program from 15 to 21 days of 20% of whole dues of 1st semester.
- e. Student who leaves the bachelor / Master level program after 21 days of starting the classes dues will not be refunded under any circumstances except security.

All fee and dues of the first semester must be paid within 15 days of grant 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 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.

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

I. Eight Semester Professional Degree Programs;

- i. **Total No. of Credit Hours:** 142
- ii. **Semester Duration:** 18 weeks;
- iii. **Program Duration:** 4 – 5 years as per requirements
- iv. **Number of Regular Semesters:** 8 – 10 accordingly
- v. **Number of Summer Sessions:** two (if so required)
- vi. **Course Load per Semester** 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 weightage 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 semesters 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 having different weightage contributing towards the overall assessment in percent marks and be determined by the teacher / instructor concerned, according to **Regulation 8** of these regulations. This weightage 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, what ever 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 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 Programmes;

	Promotion to Next semester	Requirement
1.	From 1 st to 2 nd	Passing 50% subject, fraction being counted as one i.e. 3 out of 5, or 3 out of 6 subjects.
2.	From 2 nd to 3 rd	Passing all subjects of 1 st Semester (if available) and 50% of the 2 nd Semester.
3.	From 3 rd to 4 th (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 st to 2 nd	Passing 50% subject, fraction being counted as one i.e. 3 out of 5, or 3 out of 6 subjects.
2.	From 2 nd to 3 rd	Passing all subjects of 1 st Semester (if available) and 50% of the 2 nd Semester.
3.	From 3 rd to 4 th	Passing all subjects of 1 st & 2 nd Semesters (if available) and 50% of the 3 rd Semester.
4.	From 4 th to 5 th	Passing all subjects of 1 st , 2 nd & 3 rd Semesters (if available) and 50% of the 4 th Semester.
5.	From 5 th to 6 th	Passing all subjects of 2 nd , 3 rd & 4 th Semesters (if available) and 50% of the 5 th Semester.
6.	From 6 th to 7 th	Passing all subjects of 3 rd , 4 th & 5 th Semesters (if available) and 50% of the 6 th Semester.
7.	From 7 th to 8 th 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, 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.



Khyber Medical University

Institute of Basic Medical Sciences

Introduction

IBMS is an offshoot of the main stream with the solid objectives to augment the very 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:-

- I. To focus on further development of faculty member in their respective capacities by offering MPhil/ PhD Programmes.
- II. Provision and expansion of the research activities in organized form.
- III. Institutionalizing research in all affiliated medical institutions.
- IV. 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 health care 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 community in this underdeveloped region of the world.
7. Trained human resource will successfully execute and streamline the operation of the Institute and will fill the vacuum in the growing medical schools and industry.

8. Development of human resource, research and technology in this institute will ultimately help in the development of national economy.
9. Highly trained and qualified manpower will 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

- IBMS will have distinguished faculty members as its teaching staff.
- The IBMS will ensure a promising career to its MPhil / PhDs in the field of Basic Medical Sciences (BMS).
- 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.
- Excellent opportunities for laboratory based career in medical marketing, research and graduates who wish to join the pharmaceutical
- Equally excellent opportunities for those joining industry, employed in R & D, Sales & marketing areas.
- Those wishing to continue studying in their interested disciplines have opportunities to undertake postgraduate programs for MPhil or MPhil leading to PhD.
- Better career in medical and dental institutions.

Outcomes

Competition in the modern era entails highly developed research equipments necessary for development 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 Asian republics.

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 like Europe and USA for jobs in addition being an asset internally.

ADMISSION

MPhil & MPhil leading to PhD

Selection purely on **open merit**.

Admission selection committee

Admissions Criteria:

Sixteen years of schooling or minimum of 4 year education after FSc i.e,

1. MBBS

2. BDS

2.2 *Eligibility for admission to MPhil and MPhil leading to PhD program*

To be eligible for admission to MPhil, a candidate shall possess;

- i. A degree after sixteen years of schooling or 4 year education after FSc (130 credit hours) will be compulsory for admission into MPhil / MPhil leading to PhD.
- ii. A test equivalent to GRE test (GAT General) will be necessary for admission to MPhil / MPhil leading to PhD.

Ineligibility for admission;

- i. Anyone who has been expelled by any university or college for mis-conduct 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.
- ii. Anyone who has been admitted earlier to MPhil program but later was declared to have ceased to be student of the university under these regulations shall not be allowed admission.

Requirements for MPhil

- i. MPhil program shall be comprised of course work of 24 credit hours and a dissertation of 26 credit hours.
- ii. Degree shall normally be completed within four consecutive semesters.
- iii. The course requirements shall normally be completed in the first two semesters.
- iv. Dissertation based on research shall normally be completed by the end of the fourth semester.
- v. Each MPhil student shall follow the syllabi and courses of studies as may be prescribed, by the academic council, from time to time.
- vi. All the semester examinations shall be held on the University campus.
- vii. English shall be the medium of instructions.
- viii. MPhil / PhD candidates shall be required to pay tuition fee and such other dues, as determined by the University from time to time.
- ix. MPhil program course work break up
 - a. A total of 30 credit course work in the
 - i. Major course(s) in which a scholar is registered.
 - ii. Course(s) related to the major courses.
 - b. Thesis on a topic approved by the G&RMC.

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

- i. 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.
- ii. The candidate must have passed the subject GRE. 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%. The candidate is required to take at least 60% score in the test.
- iii. The requirements for PhD degree shall comprise a minimum of additional PhD level course work of 18 credit hours (30 Crs hr of MPhil + additional 18 Cr hrs in PhD) followed by a comprehensive examination and a dissertation based on research.
- iv. Acceptance/publication of at least one research paper in HEC approved/recognized journal is essential before the submission of dissertation.
- v. 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 G&RMC may allow extension of up to one year beyond the maximum time limit of six years.
- vi. 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

- i. A scholar for MPhil / PhD degree program shall be registered in teaching department / institution of the University.
- ii. 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.
- iii. A "notification of registration" for each candidate approved /allowed for admission to MPhil/PhD program shall be issued by the University.
- iv. Registration may be renewed on payment of the prescribed fee if a scholar is re-admitted within a year after having been struck off the rolls for any valid reason.
- v. A person registered for the MPhil / PhD degree program shall be called MPhil / PhD research scholar.

- vi. Each student so selected shall be required to register and pay the dues within 30 days from the date of issuance of the notification of registration, failing which the admission of the selected candidate shall be deemed as cancelled. The tuition fee and other dues shall be determined by the university from time to time.

Registration of courses in the department/center/institution

- i. At the beginning of each semester, MPhil/PhD research scholar shall be registered for the courses of study on the prescribed registration card.
- ii. 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.
- iii. No change or drop of the registered course(s) shall be allowed after 30 days of the commencement of semester.
- iv. 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'.
- v. MPhil/PhD research scholar shall normally register for 15 credit hours courses in the regular semester.
- vi. 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.
- vii. 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.
- viii. MPhil/PhD scholar dropping a semester shall be required to pay tuition fee for the semester.
- ix. 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 G&RMC 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 G&RMC on the recommendation of the HOD may allow a maximum of 15 credit hour courses to be transferred.

- x. 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.
- xi. 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 G&RMC 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.

Fees and other Dues.

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

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 MPhil / PhD degree program would not be affected by official duties”.

Leave of Absence

- i. On the recommendation of the Graduate Studies Committee and the approval of the G&RMC, a research scholar may be allowed leave of absence up to two semesters on valid grounds.
- ii. 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 MPhil 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 SPECIALITIES)

<u>Course Code & Title</u>	<u>Credit Hrs</u>
BMS: 701 Basic Cell and Molecular Biology	1+0 Credit Hrs
BMS: 702 Essentials of Genetics	2+0 Credit Hrs
BMS: 703 Epidemiology, Biostatistics, Communication Skills & Computer Applications	2+0 Credit Hrs
BMS: 704 Micro-Techniques, Research Methodology and Medical Writing	2+0 Credit Hrs
BMS: 705 Journal Club and Seminars/Symposia/ Conferences/Workshops	1+0 Credit Hrs

CORE COURSES (SPECIALITY-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 Limb	1.5+0 Credit Hrs
BMS: 712	Anatomy of Lower Limb	1.5+0 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	Biochemistry I	3+1 Credit Hrs
BMS: 717	Biochemistry II	3+1 Credit Hrs
BMS: 718	Protein Chemistry	2+1 Credit Hrs
BMS: 719	Enzymology	2+1 Credit Hrs
BMS: 720	Biochemistry of Blood	2+0 Credit Hrs
BMS: 721	Chemistry of Respiration	1+0 Credit Hrs
BMS: 722	Biochemistry of Liver and Kidney	2+0 Credit Hrs

BMS: 723 Biochemistry of Cancer Radioisotopes 1+0 Credit Hrs

BMS: 724 Endocrinology 2+0 Credit Hrs

Course Code & Title Credit Hrs

MPhil leading to PhD in PHYSIOLOGY

BMS: 725 Cell and Nerve Muscle Physiology 2+0 Credit Hrs

BMS: 726 Neurophysiology 4+1 Credit Hrs

(Sensory, Motor, Autonomic and Special Senses)

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 2+1 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	3+0 Credit Hrs
BMS: 738	Clinical Pharmacology	2+0 Credit Hrs
BMS: 739	Chemotherapy	1+0 Credit Hrs
BMS: 740	Psycho Pharmacology	2+0 Credit Hrs
BMS: 741	Anti inflammatory and Autacoids	2+0 Credit Hrs
BMS: 742	Drugs Acting on the Blood	1+0 Credit Hrs

MPhil leading to PhD in HISTOPATHOLOGY

BMS: 743	General Pathology	3+0 Credit Hrs
BMS: 744	Cardiovascular & Respiratory System	3+1 Credit Hrs
BMS: 745	Gastrointestinal Tract	2+1 Credit Hrs
BMS: 746	Urinary & Genital Systems	2+1 Credit Hrs
BMS: 747	Nervous Systems, Endocrine and Mammary Glands	3+1 Credit Hrs
BMS: 748	Liver, Gall bladder and Pancreas	2+1 Credit Hrs
BMS: 749	Tumor Markers	2+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: 755 Drugs Acting on the Blood	2+0 Credit Hrs

<u>Course Code & Title</u>	<u>Credit Hrs</u>
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MPhil leading to PhD in CHEMICAL PATHOLOGY

BMS: 743 General Pathology	3+0 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+1 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	3+1 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

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)	3+0 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

<u>Course Code & Title</u>	<u>Credit Hrs</u>
<u>PhD Courses</u>	
BMS: 777 Advances in Cell & Molecular Biology	2+1 Credit Hrs
BMS: 778 Advances in Medical Genetics	2+1 Credit Hrs
BMS: 779 Advances in Epidemiology and Biostatistics	3+0 Credit Hrs
BMS: 780 Advances in Research Methodology	3+0 Credit Hrs
BMS: 781 Bioethics	3+0 Credit Hrs
BMS: 782 Computational Biology and Medical Bioinformatics	3+0 Credit Hrs

COMPULSORY COURSES (FOR ALL SPECIALITIES)

<u>Course Code & Title</u>	<u>Credit Hrs</u>
BMS: 701 Basic Cell and Molecular Biology	1+0 Credit Hrs
BMS: 702 Essentials of Genetics	2+0 Credit Hrs
BMS: 703 Epidemiology, Biostatistics, Communication Skills & Computer Applications	2+0 Credit Hrs
BMS: 704 Micro-Techniques, Research Methodology and Medical Writing	2+0 Credit Hrs
BMS: 705 Journal Club and Seminars/Symposia/ Conferences/Workshops	1+0 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

Total **48 weeks**

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

Program disciplines and Seats Breakup

The disciplines offered for MPhil and PhD

Both M. Phil and Ph. D degrees offered in the following disciplines:

Seats Breakup

SUBJECTS & ALLOCATION OF SEATS

<u>Subject/Discipline</u>	<u>Seats</u>
1. Anatomy	05
2. Physiology	05
3. Biochemistry/Molecular Biology	05
4. Pharmacology	05
5. Haematology	05
6. Histopathology	05
7. Microbiology	05
8. Chemical Pathology	05
9. Forensic Medicine	05

Department	Faculty	Qualifications	Designation
Microbiology	Dr. Jawad Ahmed	MBBS, MSc, PhD, FCPP	Professor
	Dr. Naeem Khattak	MBBS, MSc, PhD, MRCPATH	Professor

Pathology	Mr. Masroor Hussain	MPhil (PhD - 2011)	Assistant Professor
	Mr Momin Khan	MPhil (PhD in Progress)	Assistant Professor
1. Histopathology	Dr. Nuzhat Sultana	MBBS, FCPS	Assistant Professor
2. Hematology	Dr. Walayat Shah	PhD	Assistant Professor
Pharmacology	Dr. Khalid Khan	MBBS, FCPS	Assistant Professor
	Dr. Nazish	MBBS, FCPS	Assistant Professor
	Dr. Shafiq Ahmed Tariq	PhD	Associate Professor
	Dr. Niaz Ali	PhD	Associate Professor
Biochemistry	Dr. Sami Siraj	PhD	Assistant Professor
	Dr. Abdus Sattar khan	PhD	Professor
	Dr. Rubina Nazli	MBBS, PhD	Associate Professor
	Mr. Musharraf Jelani	PhD (2011)	Assistant professor
Anatomy	Mr. Fazal Wahab	PhD (2011)	Assistant professor
	Dr Najeebullah	PhD	Assistant Professor
	Mr. Adnan Masood Khan	MBBS, MSc	Lecturer

IBMS Faculty Members

Visiting Faculty

Name	Qualifications MPhil/PhD	Area of Specialization	Designation with institution
Dr. Farida Naseer	MBBS, MPhil, FCPP	Histopathology	Professor Khyber Medical College
Dr. Nizam ud Din	MBBS, FCPS, PhD	Histopathology	City Laboratory Peshawar
Dr. Abid Sohail Taj	MBBS, MRCP, PhD	Hematology	Professor Peshawar Medical College
Dr. Fazal Raziq	MBBS, FCPS	Hematology	Professor Hayatabad Medical Complex
Dr. Tauseef Raza	MD, PhD	Anatomy	Assistant Professor Kohat 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. Ihsan Wazir	MBBS, MPhil	Anatomy	Professor Kohat Institute of Medical Sciences

Dr. Wajid Ali Chatha	MBBS, FCPS	Anatomy	Assistant Professor Pak International Medical College
Dr. Muhammad Asim	PhD	Biostatistics	Associate Professor University of Peshawar
Dr. Hamid Hussain	MBBS, MPhil	Epidemiology	Khyber Medical College, Peshawar
Dr. Iftikhar Qayyum	MBBS, PhD	Molecular Biology	Professor Rehman Medical College
Dr. Arif Siddiqui	PhD	Physiology	Professor Agha Khan University (Retired)
Dr. Saqib Mehmood	MBBS, MSc, PhD	Molecular Biology	Assistant Professor University of Health Sciences Lahore

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 an 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 ones 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 reach 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 module, clinical clerkship 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 modules and rotations**, includes components from continuous evaluation during the modules.

The Khyber Medical University Peshawar MPhil / PhD Regulations 2011.

Preamble

In pursuance of the Section 28 of the Khyber Medical University Act 2006 (Act No 1, 2007), the following Regulations are prescribed to govern the matters relating to admissions, registrations and examinations for the MPhil / PhD program.

(1) Short Title, Commencement and Application

- i. These Regulations shall be called “the Khyber Medical University Peshawar MPhil / PhD Regulations 2011.”

- ii. The Khyber Medical University shall offer courses leading to the degrees of Master of Philosophy abbreviated as MPhil & Doctor of Philosophy, abbreviated as PhD, in the subjects provided in the schedule and introduced from time to time.
- iii. These shall apply to MPhil & PhD candidates admitted in post-graduate Departments / Centers, Institutes of the Khyber Medical University.
- iv. Applications for admission to various courses shall be invited and admission shall purely be made on merit.
- v. An academic year of the University shall comprise of two regular semesters (Spring and Fall), each of minimum duration of 16 weeks, not exceeding eighteen (18) weeks including the end semester examination or as prescribed by the Academic Council.
 - Fall semester, starting from first Monday of September to second week of January.
 - Spring semester, starting from first Monday of February to second week of June.
- vi. A course of one credit Hour shall mean one hour of classroom teaching or three hours of laboratory work per week for at least a period of 16-18 weeks.
 - v. There shall be a Semester Break (teaching break) “ of 2 weeks after every Semester. This break will be used for preparation / submission of result and admission/ registration process for next semester.
 - vi. Evaluation of courses will be made by class tests / assignments / presentations during the semester and a terminal examination at the end of each semester.
- viii. These regulations shall come into force forthwith.

(2) Definitions

Unless stated otherwise, the terms used in these regulations shall be deemed to have the following meaning:

- i. "University" shall mean the Khyber Medical University Peshawar.
- ii. "MPhil" shall mean Master of Philosophy.
- iii. "PhD" shall mean Doctor of Philosophy.
- iv. "Graduate Studies Committee" means a committee of an institution as constituted under section 4(iv) of the regulations.
- v. "Research Scholar" means a person registered in the MPhil / PhD Program or MPhil leading to PhD Program.

- vi. "Department" shall mean a teaching department, an institute, a centre or an affiliated institute of the University or an academic institution, local or abroad, with which Khyber Medical University has a valid memorandum of understanding.
- vii. "HOD" shall mean the Head of department, Dean, Director of an affiliated or constituent institute, centre or principal of a constituent or an affiliated college.
- viii. "GR&MC " shall mean "Graduate and Research Management Council" constituted under **Section 18(1)(b)(i)** of Act of the Khyber Medical University Peshawar (Act No 1, 2007) whose functions shall be to manage advance research activities and related affairs.
- ix. "Academic Council" shall mean the Academic Council of Khyber Medical University, Peshawar.
- x. "Supervisor" shall mean a supervisor appointed for a PhD scholar under **Section 15 (i)** of these Regulations.
- xi. "Examiners" shall mean the examiners as appointed under **section 14 (vii)** and **Section 17** of these Regulations.
- xii. "Thesis" shall mean a thesis encompassing original research performed by MPhil / PhD research scholar.
- xiii. "Related Subjects" shall mean subject(s) conducted by the department other than the one in which the scholar is enrolled which are supporting for the major field of study.
- xiv. "Registrar" shall mean Registrar of Khyber Medical University, Peshawar.

(3) Eligibility for admission to MPhil and MPhil leading to PhD program

i) To be eligible for admission to MPhil, a candidate shall possess;

- iii. A degree after sixteen years of schooling or 4 years education after FSc (130 credit hours) will be compulsory for admission in MPhil / MPhil leading to PhD.
- iv. Valid GAT General test conducted by NTS for MPhil leading to PhD program

a) Requirements for MPhil degree

The requirements for MPhil shall comprise course work of 30 credits and a dissertation of 20 credits.

- x. The requirements for the MPhil degree shall normally be completed within four consecutive semesters (two years).
- xi. The course requirements shall normally be completed in the first two semesters (one year).
- xii. Dissertation based on research shall normally be completed by the end of the fourth semester (two years).
- xiii. Each MPhil student shall follow the syllabi and courses of studies as may be prescribed by the academic council from time to time.
- xiv. All the semester examinations shall be held on the University campus/IBMS.
- xv. English shall be the medium of instructions.
- xvi. MPhil / PhD candidates shall be required to pay tuition fee and such other fee/dues as determined by the University from time to time.
- xvii. MPhil program
 - a. A total of 30 credit course work in the subject(s) in which a scholar is registered.

- b. Thesis on a topic approved by the GR&MC.
- c. Viva-voce

ii) Transfer from MPhil to PhD and requirements for PhD

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

a) Requirements for PhD degree

- vii. The candidate must have passed the subject GRE with 60% passing score. In disciplines where this test is not available, the equivalent test shall be developed locally by the University. The candidate is required to take at least 70% score in the local test.
- viii. Additional PhD level course work of at least 18 credit hours followed by a comprehensive examination along with thesis defense will be essential for the award of PhD degree.
- ix. Acceptance / publication of at least one research paper in HEC approved / recognized “W” category journal/journal with an impact factor is essential before the submission of dissertation.
- x. 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 GR&MC may allow extension of up to one year beyond the maximum time limit of six years.
- xi. 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.

iii) Ineligible for admission:

- iii. Anyone who has been expelled by any university or college for mis-conduct or for use of unfair means in the examinations or any offence involving moral turpitude.
- iv. Anyone who has been admitted earlier to MPhil program but later was declared to have ceased to be student of the university under these regulations.

(4) Admission

- i. Each candidate shall make an application for admission to MPhil / PhD program in response to an advertisement by the university on the prescribed form along with documents specified in the form.
- ii. The allocation of marks for determining merit for admission to MPhil leading to PhD program shall be as following:

Academic record	40%
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[Bachelor degree (16 yrs of education) as basic qualification (80%) and any other higher qualification as additional qualification (20%)]

Admission test	40 %
Interview	20 %

(Admission test will be conducted by IBMS-KMU comprised of 100 MCQs in Basic Medical Sciences)

- iii. The application shall be submitted to the Directorate of Admissions of the university.
- iv. All applications received by the Director of Admissions shall be considered by the Graduate Studies Committee of the department concerned.
- v. The Graduate Studies committee for each department shall be constituted by the Vice Chancellor in consultation with the HOD concerned.
- vi. The Graduate Studies committee shall recommend a Supervisor subject to the in writing consent of each research scholar.
- vii. The Graduate Studies committee, when satisfied, shall recommend to the GR&MC the candidates who are eligible and found suitable for admission to the PhD program.
- viii. The admission shall be approved by the GR&MC.
- ix. After passing the Comprehensive Examination, PhD research scholar shall be called a PhD candidate.

(5) Registration in the University

- vii. A scholar for MPhil / PhD degree program shall be registered in teaching department / institution of the University.
- viii. 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.
- ix. A "notification of registration" for each candidate approved for admission to MPhil/PhD program shall be issued by the University.
- x. 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.
- xi. A person registered for the MPhil / PhD degree program shall be called MPhil / PhD research scholar.
- xii. Each student so selected shall be required to register and pay the dues within 15 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.

(6) Migration to KMU As per KMU rules

(7) Registration of courses in the department/center/institution

- xii. At the beginning of each semester MPhil/PhD research scholar shall register for the courses of study on the prescribed registration card.
- xiii. 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.
- xiv. No change or drop of the registered course(s) shall be allowed after 30 days of the commencement of semester.
- xv. 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'.
- xvi. MPhil/PhD research scholar shall normally register for 12 -15 credit hours courses in the regular semester.
- xvii. 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.

- xviii. 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.
- xix. MPhil/PhD scholar dropping a semester shall be required to pay tuition fee for the semester.

(8) Board of studies (BOS)

As per KMU act 2006 amended 2008-The first statutes (KMU).

(10) 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. Such courses and syllabi shall become effective from the date of approval by the Academic Council or as decided by the Academic Council.

(11) Organization of Teaching of courses

- i) Teaching in various courses for MPhil / PhD shall be conducted in the University departments or the constituent institutions through lectures, tutorials, discussions, seminars, and other methods of instruction as approved by the Academic Council.
- ii) Teaching shall be conducted by the University teachers or by such other persons who may be allowed by the Vice-Chancellor.
- iii) Teaching shall be organized through courses prescribed by the respective Board of studies / Academic Council / syndicate from time to time.

(12) Course Examination

- i) MPhil/PhD research scholar shall be evaluated in each course on the basis of continuous assessment tests/ assignments / group discussions / project(s) / seminars during the semester and terminal examination at the end of the semester. Each course shall carry 200 marks (if Cr Hrs are 3 or 3+1) 100 marks (if Cr Hrs are 2 or 2+1) and marks will 50 (if Cr Hr are 1 or 1+1). It shall cover continuous assessment tests / assignments etc. and terminal examination

- ii) In case MPhil/PhD research scholar joins a course after it has been started, he/she shall be responsible for any missed tests, assignments and lectures. The marks in the missed tests etc. will be zero while make-up tests / assignments / projects / lab work shall be arranged in consultation with the concerned course teacher and HOD.
- iii) There shall be written examination for each course at the end of each semester on the dates fixed by the Controller of Examinations in consultation with the HOD and the Dean concerned.
- iv) For promotion to the next semester the MPhil / PhD scholar must pass/clear at least 50% of the credit hours of the registered courses at the end of each semester failing which he/she will be not be promoted to the next semester.
- iv) MPhil / PhD research scholar shall be allowed to appear in the examination provided that he/she
 - a. Has been on the rolls of the University during that semester.
 - b. Has registered himself / herself for the courses of study and has attended at least 75% of the lectures / laboratory work and completed the course work to the satisfaction of the department concerned.
 - c. The MPhil/PhD research scholar falling short of the required percentage of attendance of lectures / seminars / practical / laboratory demonstrations etc., shall not be allowed to appear in the terminal examination of the concerned course and shall be treated as having failed in that course.
 - d. The HOD of the department concerned may, on the recommendation of the teacher of the course concerned, condone the deficiency in attendance up to 5% of the total lectures, seminars, practical and laboratory demonstration.
 - e. In exceptional cases, the Vice Chancellor may, on the recommendations of the Dean / HOD / Academic advisor, further condone the deficiency in attendance up to 5% of total lectures, seminars, practical and laboratory demonstration.
 - f. Any MPhil/PhD scholar failing in a course / make up will be considered dropped from that course.

Marks breakdown for each course shall be as follows

SNo	Semester	Maximum Marks
1.	Continuous assessment tests	40 %
2.	Presentation / Assignments	10 %
3.	Terminal Examination (80% from unevaluated course and 20% from already evaluated course)	50 %

Each student will have at least one assignment and one presentation during the whole semester

(13) Grades and Promotions

- i) The minimum pass marks for each course shall be 60%. Marks and grade points shall be calculated as given in Appendix 1.
- ii) If MPhil/PhD research scholar fails to appear in the terminal examination of a course on medical or any other reasons, he/she be treated as absent and failed. If MPhil/PhD research scholar absents himself /herself in a test for any reason, no separate test will be arranged.
- iii) Whenever MPhil/PhD research scholar fails in a course, he/she shall repeat the course when offered to improve his/her grade. MPhil/PhD research scholar shall be allowed to repeat a maximum of three courses (9 credit hours) to improve his/her grades in the total duration of the MPhil / PhD program.

In case MPhil/PhD research scholar repeats the course which has already been taken, the old grade will be substituted with the new grade (for CGPA calculation) but in case MPhil/PhD research scholar takes a new course in lieu of the course in which he/she has failed, both the grades will be reflected on his/her transcript, i.e. the old course grade and new course grade.

- iv) MPhil / PhD research scholars shall be required to maintain a minimum CGPA of 2.5 throughout the period of study.

Whenever the CGPA falls below 2.5, MPhil/PhD research scholar will be on "1st probation" for the next semester. If the MPhil/PhD research scholar does not come out by increasing his/her CGPA to 2.5, he/she will go on "Last Probation". If the MPhil/PhD research scholar, who was earlier on 1st probation, does not come out in the last probation by achieving the

minimum desired CGPA of 2.5, his/her registration shall be deemed as cancelled and shall not be readmitted in the same program.

- v) MPhil/PhD research scholar who by the end of the fourth semester, does not pass 30 credit hours of course work or does not maintain a minimum of CGPA of 2.5 shall be deemed to have failed and his/her registration shall be deemed as cancelled and shall not be readmitted in the same program.
- vi) The result of MPhil/PhD research scholar in each course, whether passed or failed, shall be indicated on the transcript by letter grade. A separate transcript shall, however be issued to each MPhil/PhD research scholar showing percentage of marks, grade obtained in each course, semester GPA and CGPA. GPA and CGPA shall be determined on the basis of Numerical Grade in the manner shown in Appendix I of these regulations.
- vii) The supervisor shall submit two progress reports during third and fourth semesters to the Controller of Examination. If both reports are unsatisfactory, he/she shall cease to be a student.
- viii) A student obtaining first position in the department shall be awarded “Certificate of Merit” and a “Chancellor Gold Medal” if he/she obtains a CGPA of at least 4.00 points and has not failed in, or has not repeated any course and has completed the entire requirements of MPhil degree within four semesters or PhD degree within eight semesters.

(14) Terminal Examination

- i) A student who has completed the following requirements shall be eligible for appearing in to terminal examination.
 - a. That he / she has been a student on a regular basis in a teaching department of the university/institute/centre for the prescribed period, or allowed necessary extension as provided for under the rules.
 - b. That he/she has successfully completed the prescribed courses, guided reading and class assignments, including seminars and tutorials to the satisfaction of the teacher and the chairman of the department concerned.
 - c. A student, who has completed the requirements stated above, shall submit an application on a prescribed form to the Controller of Examination for admission to the final examination for MPhil.
 - d. The examination shall be held on the University Campus on such dated as may be notified by the Controller of Examinations in consultation with the Chairman of the Department concerned.

- ii) Transfer from MPhil to PhD program

On completion of the course work, MPhil research scholars shall have to pass the **transfer** examination in the subject/ discipline as a requirement in order to move to the PhD program. Those candidates who successfully pass the transfer examination shall be entitled for additional 18 credit hours of course work in order to fulfill the requirements for PhD degree.

- i. On successful completion of the additional 18 credit hours course work, PhD research scholars shall have to pass the comprehensive examination in the subject / discipline before writing up a research proposal.
- ii. PhD research scholar shall submit an application on a prescribed form to the Controller of Examinations for appearance in the comprehensive examination.
- iii. There shall only be two chances passing the comprehensive examination. If the PhD research scholar does not pass the comprehensive examination in the first attempt, he/she may be given one more chance on the recommendation of supervisor.
- iv. The registration of the PhD research scholar shall be deemed as cancelled, if he/she does not pass the comprehensive examination even in the second attempt.
- v. In case of failing the comprehensive examination, a research scholar may continue as MPhil research scholar.
- vi. The comprehensive examination shall consist of written and oral parts.
- vii. The comprehensive examination shall be conducted by PhD Examination Committee appointed by the Vice Chancellor on the recommendations of the concerned HOD and Dean in consultation with the supervisor. The supervisor of the PhD research scholar will also be co-opted as a member of this committee.
- viii. A department shall normally hold at least one comprehensive examination in an academic year.
- ix. The pass percentage of the comprehensive examination shall be 70%.
- x. The registration of the PhD research scholar shall be deemed as cancelled, if he/she does not pass the comprehensive examination within three years from the date of registration in the PhD program.
- xi. After passing the comprehensive examination, but before the submission of his/her thesis, the PhD candidate must have acceptance/publication of at least one research paper in the HEC approved/recognized journal.

(15) Supervisor and Synopsis / research Proposal

- i) The GR&MC shall appoint a supervisor (and a co-supervisor, if necessary) from the relevant field on the recommendations of the Graduate Admission Committee, from the HEC approved PhD Supervisors List. In case such a supervisor is not available, a professor or an associate professor from the relevant discipline may be appointed.
- ii) The supervisor (and Co-Supervisor, if necessary) must possess a doctoral degree and name included in the HEC approved supervisors list.
- iii) The supervisor of the PhD candidate shall submit a detailed report to GR&MC after every six months on the progress of the student in accordance with the prescribed format. In case of two consecutive adverse reports, the GR&MC may cancel the registration of the PhD candidate.
- iv) The research proposal/synopsis shall be submitted by the PhD candidate preferably during the first year of the PhD program for the approval of GR&MC.
- v) The GR&MC shall approve the field of research/title on the recommendations of the supervisor and graduate admission committee of the department concerned.
- vi) A student shall submit a topic of dissertation which will be recommended by the supervisor and the chairman of the department concerned to the GR&MC for approval within thirty days of the commencement of the third semester.
- vii) On the completion of research, the PhD candidate shall submit a draft of thesis for scrutiny and advice to the supervisor.
- viii) Approval for the final title of the thesis / research must be submitted to the GR&MC 90 days before submission of thesis. Once the final request by the candidate with the approval of the supervisor is submitted then the thesis must be submitted within 90 days to the Controller of Examination for evaluation.

(16) Thesis

Thesis submitted by the MPhil /PhD candidate shall comply with the following conditions:

- i. It shall form a distinct contribution to knowledge and afford evidence of originality, shown by the discovery of new facts, by the exercise of independent critical judgment, and/or by the invention of new methods of investigation.
- ii. It shall not include research work for which a degree has already been conferred in this university or any other university / degree awarding institute.
- iii. It shall be written in English for all subjects.
- iv. Write up will follow prescribed standards (introduction, material and methods, results, discussion, references)

a) PhD dissertation format (KMU maroon colour)

- i. The size of the font should be 11 or 12 Time New Roman on typing one side of A4 size paper.
- ii. The final five copies of the thesis must be hard bound in maroon colour (University color).
- iii. The complete title of the dissertation should be printed in block, golden letters at the top of the cover.
- iv. In the middle of the cover, full name of the candidate should be printed.
- v. The spine should have the surname of the scholar, the year in which the dissertation was submitted and the name of the degree for which the dissertation was presented i.e. PhD.

b) MPhil thesis format (black)

Format is similar as for PhD except that the spine should have the surname of the scholar, the year in which the thesis was submitted and the name of the degree for which the thesis was presented i.e. MPhil.

(17) Thesis Examination

- i) The plagiarism test must be performed on the dissertation **before** its submission to two foreign experts from technologically/academically advanced foreign countries in addition to local experts.
- ii) A copy of PhD dissertation (both hard and soft) must be submitted top HEC for record in PhD country directory.
- iii) The viva-voce examination in defense of the thesis shall be conducted by a committee consisting of the chairman of the department concerned, supervisor of the student and the external examiner.

- iv) The supervisor shall inform the Controller of Examination through the chairman of the department concerned about the date on which the viva-voce examination is to be held. The Vice-Chancellor shall on the advice of the supervisor/chairman, appoint an external examiner from the panel of examiners approved by the GR&MC.
- v) There shall be a standing list of external examiners for each department consisting of persons of eminence in the respective field of research. The list shall be updated from time to time by the Board of Studies of the department/board of faculty concerned and approved by the GR&MC. The external examiners will be requested to critically examine the thesis for its suitability for the award of PhD degree.
- vi) The PhD candidate shall submit five spiral bound copies of the completed thesis along with an application on prescribed form for the evaluation of the thesis, duly forwarded by his/her supervisor and HOD of the department.
- vii) The supervisor shall suggest a panel of six external examiners from the approved list. The Vice Chancellor shall appoint three external examiners (out of whom two must be from the technologically advanced countries, except for those fields in which the relevant expertise are not available) from the suggested panel to evaluate the thesis.
- viii) The reports of the external examiners shall be placed before the GR&MC for consideration.
- ix) If the thesis is adjudged as adequate by two of the three examiners, the GR&MC shall allow the PhD candidate to appear in the viva-voce (thesis defense) examination.
- x) If two of the three external examiners find that thesis is wholly inadequate, it may be rejected by GR&MC and the registration of the PhD candidate shall be deemed as cancelled.
- xi) If any of the examiners suggests modifications/revision of the thesis, the PhD candidate shall be required to resubmit a revised version of the thesis, duly certified by the supervisor within one year.
- xii) The revised version of the thesis shall be approved by the same external examiner who suggested modification/revision of the thesis.
- xiii) If any of the external examiners finds the thesis adequate but suggests minor modifications/revision, this may be incorporated without referring again to the external examiner. The revised version must be certified by the supervisor to the effect that the modifications/revision identified has been properly rectified.

- xiv) All MPhil / PhD research scholars are required to pass a viva-voce related to their research work. The viva-voce (thesis defence) examination shall be conducted by the one external examiners appointed by the Vice Chancellor from the panel approved by the GR&MC, the supervisor, the HOD and the Dean concerned.
- xv) The viva-voce examination shall be open to public and shall be notified in local and national news, news papers and press electronic media, but the evaluation will be done only by the examiner.
- xvi) If the MPhil / PhD candidate fails to satisfy the examiners in the via-voce examination, he/she may be given one chance to defend the thesis for the second and final time within a period of six months from the date of viva-voce examination. If the MPhil / PhD candidate fails to satisfy the examiners on the second viva-voce examination then the registration of the PhD candidate shall be deemed as cancelled.
- xvii) MPhil / PhD candidate who successfully completes all the requirements mentioned shall be awarded the degree of MPhil / PhD under the seal of the University.

(18) Fees and other Dues.

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

(19) 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 (NOC) from the employer concerned to the effect that studies of the scholar in MPhil / PhD degree program would not be affected by official duties”.

(20) Leave of Absence

- a. On the recommendation of the Graduate Studies Committee and the approval of the GR&MC, a research scholar may be allowed leave of absence up to two semesters on valid grounds.
- b. Leave of absence shall be excluded form the total period of study. The scholar shall not be required to pay any fee during the leave of absence.
- c. Only one maternity leave (two months) will be allowed during the whole study period.

(21) Cancellation of Registration

If a scholar does not fulfill the requirements as prescribed in Section 15 or fails in the examinations as provided under Section 20 to 26, his registration shall be cancelled.

Calculation of Semester Grade Point (GP):

Grade Point (GP) for single course = Numeric grade (NG) x Credit Hours (C.H)

(1) Calculation of Semester Grade Point Average (GPA):

Sum of Grade Points of one semester ÷ Sum of Credit Hours of that semester

(2) Calculation of Cumulative Grade Point Average (CGPA):

Sum of GPs of all the subjects / semester ÷ Sum of Credit Hours taken in all Semesters

Marks will be rounded for each course only once after adding in-semester and final examination marks. Marks would be rounded up or down from first decimal as under:

- a. If first decimal is equal to or greater than 5, the value is to be rounded up to next higher whole number e.g. 67.5 will be treated as 68 and 69.5 will be treated as 70.
- b. If first decimal is less than 5, the value is to be rounded down to the current whole number e.g. 67.4 will be treated as 67 and 69.4 will be treated as 69.

Semester GP A and CGP A shall be rounded off to second decimal when shown on the transcript and in record(s) of result.

IPH&SS
Institute of Public Health
and Social Sciences

Khyber Medical University

Institute of Public Health and Social Sciences

Vision

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

Mission

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

Objectives

1. To equip the students with the knowledge and skills to identify, critically and to deal with the public health problems.
2. To prepare the students to bring knowledge into practice.
3. To develop the communication skills of the students for effective communication with all stake holders.
4. To develop theoretical knowledge and practical skills in the field of

Outcomes

The students will be able to;

1. Identify and analyze the public health problems.
2. Develop strategies to deal with public health problems.
3. Conduct, analyze 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.



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PAKISTAN MEDICAL & DENTAL COUNCIL (PMDC) RECOGNITION

The Masters in Public Health Program (MPH) is a program recognized by PMDC.

CORE FACULTY

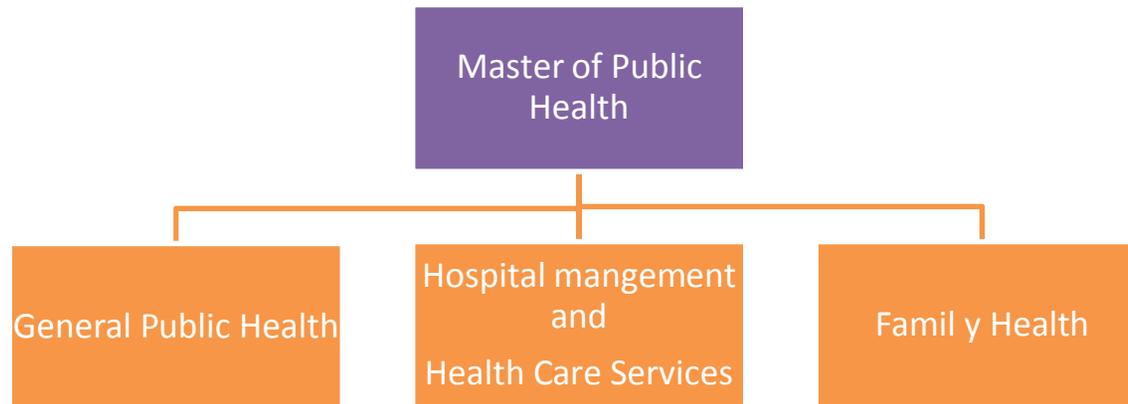
1. Dr.AyazAyub (DHP&M, FCPS-1, MPH, Australia)
2. Dr.Ayeshalmtiaz (MPH, Australia)
3. Dr.BrekhnaJamil (MPH, Pak)
4. Dr.NaheedMahsud (MPH, Pak)
5. Dr.Waqar Ali (MPH, PAK)
6. Dr.Zia-ul-Haq (PhD in progress, UK)
7. Dr.Naseem (PhD in progress, UK)



VISITING FACULTY

1. Dr.Uma M Irfan (PhD Epidemiology, USA)
2. Dr.Jawad Khan(PhD Microbiology ,Director IBMS,KMU)
3. Dr.Wilayat Shah(PhD Pathology, Consulatant IBMS,KMU)
4. Dr.MariaMussarrat (PhD Environment, Assist Director, KMU)
5. Dr.NaeemaSattar(PhD Psychology, Pak)
6. Dr.HamidHussain (MSc Epidemiology & Biostatistics, Agha Khan University, Karachi)
7. Mr.Iftikharuddin (MPhil, Statistics)

THE KMU PUBLIC HEALTH PROGRAM STRUCTURE



ADMISSION POLICY

1. Eligibility Criteria:

- a. Candidates having MBBS/BDS or equivalent qualification recognized by PMDC.
- b. One year House job
- c. In service candidates must apply through proper channel with NOC from their respective departments/institutions.

2. Selection Criteria

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

The Admission Committee will consist of the following:

1	Director Academics, Admissions and Quality Assurance	Chairman
2	Director/Principal of Institute of Public Health & Social Sciences	Secretary-cum Member
3	Dean PGMI	Member
4.	Representative of Health Department KPK	Member

The Chairman of Admission Committee will display the merit list of each category of candidates. Objection, if any, be submitted to the Chairman in writing who will be competent to rectify any error or omission five days before the date of interview. The final merit list will be displayed two days before the date of interview.

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

- | | |
|--|----------------------|
| 1. Vice Chancellor KMU | Chairman |
| 2. Registrar KMU | Member-cum-Secretary |
| 3. Representative of Health Department | Member |

3. Allocation of Seats

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

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.

4. Fee Structure

- a. All students must pay their fee and funds by the date (S) fixed by the University authorities. If any student is unable to pay the dues on the fixed date, he/she must seek the permission of the principal for relaxation of the last date of paying the dues.
- b. If the candidate fails to clear the dues 30 days after the last due date, the candidate name will be struck off the college roll.
- c. Educational expenses for selected candidates including tuition fee, course material, computer lab fee and examination fee per semester will be

For Pakistan Nationals: Rs 55,000

For Foreign Nationals: \$ 2200/-

PROGRAM DURATION AND CREDIT HOURS:

The MPH Program has a two-year curriculum requiring 60 credit hours. In a given year there will be two semesters namely the Fall Semester (August to December) and the Spring Semester (January to May).

The medium of instruction for all courses in the MPH program will be 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.

Each 1st, 2nd and 3rd semesters will offer the seven course modules of three credit hours each culminating in a total of 17 credit hours. The 4th semester will offer one course module of three credit hour and the MPH Thesis of six credit hours culminating in a total of 9 credit hours. One credit hour is defined as one hour of contact teaching in a class room setting in a week for 16 weeks in a semester. A three credit hour course translates to three hours of teaching in a class room setting per week in a semester. The duration of one semester will include a total of 18 weeks that will be arranged as follows:

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

ACADEMIC QUALITY

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



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FACILITIES

Learning Resource Center (LRC)

- ❖ IPH&SS has a well equipped learning resource center. It has twenty computers which are connected to Internet Service.
- ❖ HEC digital library 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 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.



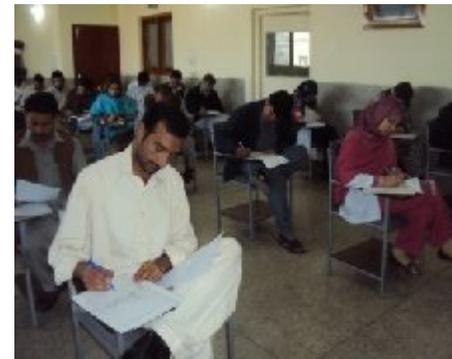
Field Visits

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

EXAMINATIONS

2) Method of Examination:

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



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3) Registration

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

4) Examination rules and regulations

The examination Rules and Regulations of KMU shall be applicable.

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

S/No	Subject	Credit Hours
1	Epidemiology – Introduction to theory and practice	03
2	Statistical Methods in Public Health	03
3	Public Health Management and Policy	03
4	Basic Communication Skills	03
5	Computer Applications in Public Health	03
6	Field Visits	01
7	Graduate Seminar	01
Total		17

Year 1 Semester 2

S/No	Subject	Credit Hours
1	Epidemiology – Application to theory and practice	03
2	Nutrition	03
3	Communicable & Non-communicable Disease Control	03
4	Health Education & Promotion	03
5	Introduction to Behavioral Health	03
6	Field Visits	01
7	Graduate Seminar	01
Total		17

Year 2 Semester 3

S/No	Subject	Credit Hours
1	Hospital Management	03
2	Community Interventions in Reproductive Health	03
3	Primary Health Care	03
4	Research & Ethics	03
5	Occupational Health & Environmental Hazards	03
6	Field Visits	01
7	Graduate Seminar	01
Total		17

Year 2 Semester 4

S/No	Subject	Credit Hours
1	Health Economics	03
2	MPH Thesis	06
Total		09

ELECTIVE COURSES

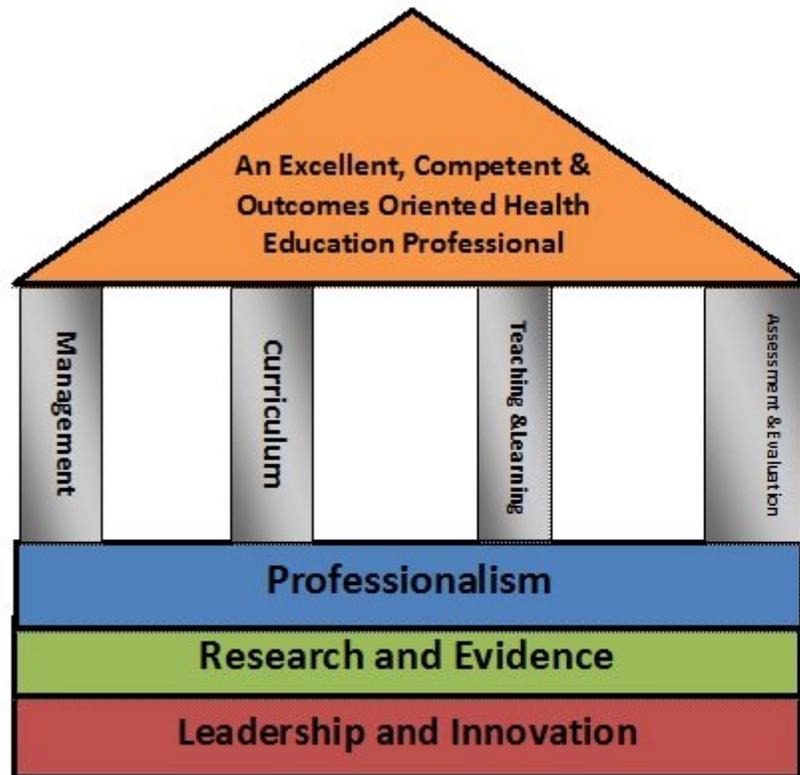
S/No	Subject	Credit Hours
1	Infectious Disease Epidemiology	03
2	Mental Health	03
3	Health Management Information System(HMIS)	03
4	Survey Design and Data Collection	03
5	Health Management & Accounting	03
6	Disaster Management	03
7	Project Management	03
8	Community Paediatrics	03

NUMBER OF CREDIT HOURS PER SEMESTER

Subject	Credit Hours
Semester I	17
Semester II	17
Semester III	17
Semester IV	09
Total	60

Khyber Medical University

Institute of Health Professional Education



BACKGROUND:

Khyber Medical University is launching the MHPE program for the first time in Khyber Pakhtunkhwa. This program would enable the Health Professions of the country and province in particular to bring the 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 the 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.

VISION:

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

MISSION:

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

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 latter part of the 20th and beginning of the 21st Century. The focus has moved from a scientific and technical to include a more practical and applied approach in the context of the social responsibility of medical schools and a commitment to the integration of teaching experiences and teacher development for day to day work.

New advancements in learning methods, assessment of students, curriculum design, faculty development and the evaluation of programs for health professions education have created an imperative for capacity building among professors in health professions institutions in Pakistan. Amongst 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 Master of Health Profession Education program (MHPE) that includes advanced study and research dealing with: the development of the ability to read and apply literature from the international and national communities to local and regional situations, promotion of the capacity to develop other professors in contemporary approaches to health professions education, improvement of the conduct and organization of student assessment at all levels, and application of approaches to the rigorous evaluation of curriculum and new programs

COMPETENCIES:

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

Educational Leadership and Management:

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

Educational Research:

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

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

Curriculum Management:

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

Teaching and Learning:

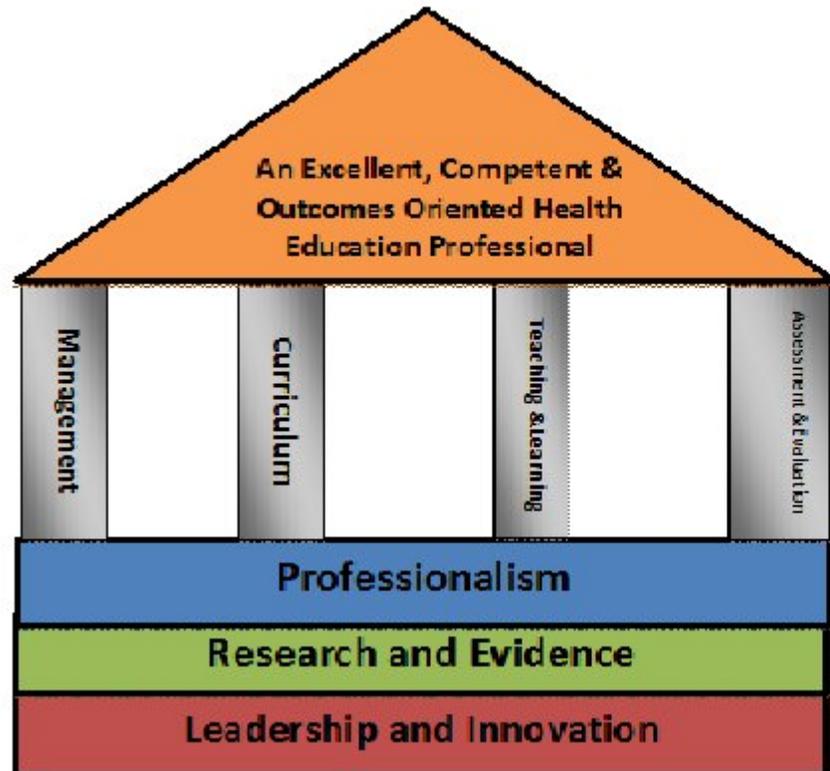
- An excellent teacher;
- **A** excellent teacher trainer;
- An excellent communicator;
- Uses his knowledge to develop teaching and learning strategies to improve the quality of teaching and learning in an educational environment;
- Demonstrates abilities to guide students in developing their learning strategies, keeping them motivated and eventually becoming self directed learners;
- Recognizes challenges and barriers in planning and implementing teaching and learning strategies in diverse and locally unique teaching and learning environment in both clinical and non-clinical setups.

- Shows skills to use e-learning and information technologies to develop and manage computerized teaching and learning solutions.
- Powerful user of researcher and evidence as tools to improve the quality of teaching and learning.

Assessment:

- Uses his knowledge to develop assessment strategies to ensure that the assessment system being used is valid and reliable;
- 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;
- Able to develop an assessment system that is an instrument to foster learning;
- Perform administrative responsibilities related to assessment such as managing questions data bank, scanning of OMRs, calculating various assessment indices (e.g. Reliability index, discrimination index, difficulty index etc.) and develop assessment reports;
- Provide training to faculty on assessment strategies, practices and item analysis etc.
- Shows skills to use e-learning and information technologies to develop and manage computerized assessment system;
- Powerful user of researcher and evidence as tools to improve the quality of assessment.

Master of Health Professional Education Framework



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

Contact session	Module	Credit Hours
I	Introduction, Educational psychology	5
II	Mode of Information transfer	5
III	Curriculum	5
IV	Assessment	5
V	Audit and Evaluation	5
VI	Organizational management and Leadership	5
VII	Research, Ethics and Professionalism	5

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

OUTLINE OF COURSE WORK:

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 a chance to complete modules in next year's as well.

Research:

Two research articles each will be given credit on their quality with maximum marks of 20 after publication.

Workshops

Each workshop will be awarded allotted credit hours only if the student is marked pass on assessment of the workshop on basis of participation in group activity and also presentation skills. The student will have to contribute in form of presentations in workshop activities.

Assignments:

Assignments will only be given to students who will have attended workshop of that module. They will be based on application of knowledge with emphasis on literature search and justification.

Each assignment will be awarded one credit hour after it has secured 60% marks. The student, who fails to submit assignments in allocated time or does not score adequate marks in assignments, will not be awarded credit hours.

OSTE:

There will be an end of course Observed Structured Teaching Exercise, which will be of 6 credit hours.

Program Structure:

The program is designed to be beneficial for candidates who are in mid carrier level. It requires the participants to study for 2 hours a day. There will be three contact session in a year.

Instructional strategies:

The main theme will be constructivist approach. Problem based learning, task based learning and group discussions will be key components. Contact sessions will have different types of sessions; some will be lectures, group discussions, self study periods and projects. Some time will also be spent on assessments.

Credit hours:

The program is of 80 Credit hours.

For award of Masters the student has to obtain at least 70 credit hours (Total credit hours in contact sessions, assignments, research and final exam)

ADMISSION CRITERIA:

The following are required for admission into the Master of Health Professions Education (MHPE).

- MBBS degree from a regionally accredited college or university
- Registration with PMDC
- Proficiency in written and verbal English is of paramount importance.
- Three years clinical or teaching experience.
- Computer literacy
- Interview will be conducted for eligible candidates.

LANGUAGE:

All assignments and workshops will be in English language.

FACULTY

Core faculty:

Program Supervisor:

Dr.GoharWajid

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, Health Information Manag. & Healthcare Quality Management, University of Dammam, Kingdom of Saudi Arabia.

Program Director:

Professor Muhammad Idrees Anwar

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

Program coordinator:

Dr.SahibzadaMehmood Noor

MBBS, FCPS (Derm), DCPS, HPE
Assistant Professor Dermatology and Deputy Director Medical Education
Lady Reading Hospital, Peshawar/ Postgraduate Medical Institute, Peshawar

Visiting Faculty

Dr. AbidJameel

MBBS,FRCP, Ph.D,
Associate Professor Oncology and Director Medical Education,
Postgraduate Medical Institute, Hayatabad Medical Complex, Peshawar

Dr. ShahidAyub

MBBS.FCPS. DCPS (HPE)
Assistant Professor Neurosurgery and Deputy Director Medical Education,
Postgraduate Medical Institute, Lady Reading Hospital, Peshawar.

Dr. SobiaSabir Ali

MRCP (UK), FCPS (Pak)
Assistant Professor Endocrinology and Deputy Director Medical Education,
Postgraduate Medical Institute, Hayatabad Medical Complex, Peshawar

Dr. Jawad Ahmad Kundi

BDs. DHPM,FCPS. MCPS (HPE)

Associate Prof and Head Department of Maxillofacial Surgery,

Director Medical Education,

Sardar Begum Dental College, Peshawar.

Fees Structure:

The fees program fees would be Rs 200,000. Fifty percent of the fees would be submitted at the start of program and the remaining amount would be submitted after one year. Refunds and deductions would be in line with the policy of Khyber medical University.

AMEE Registration:

All candidates will register with AMEE as part of Masters program for attending online lectures and seminars. The cost of registration is US\$100.

Evaluation and quality control:

Feedback from candidates will be taken from all candidates and DREEM criteria will be used for student satisfaction evaluation. Kirkpatrick model of evaluation will be applied for evaluation of program.



Khyber Medical University
Post Graduate College of Nursing

(Health department and Khyber Medical University Joint Venture Program)

INTRODUCTION

The Post Graduate College of Nursing (PGCN) was established in 1988 with the vision to offer Post Graduate Educational Programs in various disciplines of nursing to bring the nursing profession at par with international standards so that nurses of this college can move and work comfortably in any diverse culture nationally and across the boarder.

Federal Ministry of Women Development and Youth Affairs very generously provided financial assistance (Rs 3.062 million) to have such a prestigious institute in KP along with building and other infrastructure for the growth of nursing profession and for the improvement of health care delivery system. In July 1991 the College was taken over by the Provincial Government.

Its foundation was laid in March 1988 with the inception of Post-registered Nurses Diploma Course in the field of Ward Administration and Diploma in Teaching in subsequent year with the enrolment of ten students in each discipline. Further development rest upon affiliation of this college with the University of Sheffield UK for award of thirteen specialties clinical courses in different clinical courses. From 1990, under this partnership program thirteen teachers were trained and on their return they started various courses at PGCN. It was the driving force of the Mrs.FaizAlamZeb whose untiring efforts brought the dream into reality, the PGNC, a symbol of nurse's identity and was appointed as the first principal of the college.

Initially, PGCN started functioning at building of School of Nursing attached with Khyber Teaching Hospital, Peshawar. On 13th August 1999 it was shifted to its own newly constructed building at Hayatabad, having thirteen independent suits with all modern teaching learning resources. The college is financially and administratively maintained by the Health Department of KP.

Looking forward toward its vision, the college is proud to initiate first ever B.Sc. Nursing Degree programs. One is a Two Year Post R.N for in service nurses, and the second is Four Year B.Sc. as new induction, affiliation with of Khyber Medical University Peshawar. This will lead to higher education parallel to any other education in respect of knowledge, skills and above all professional dignity, respect and career development.

VISION

College of Nursing, provide outcome-based healthcare education that is highly appreciated by different communities of students, educators, and employers for its principles of life-long learning, professionalism, academic and clinical excellence, and social responsibility.

MISSION

To prepare competent, compassionate healthcare professionals distinguished by liberal arts education, evidence-based practice, clinical reasoning, safe patient care, and commitment to social justice.

Optimize health and improve suffering through the diagnosis and treatment of human responses in the care of individuals, families, communities, and populations.

OBJECTIVES

The graduate of this nursing program will be prepared to:

1. Synthesize knowledge of the human experience and responses to health, disease, and illness in the practice of professional nursing.
2. Cultivate attitudes and skills necessary to think critically, use clinical reasoning, manage information, and assume accountability for independent decisions.
3. Provide competent, culturally sensitive care to protect, promote, and optimize health and alleviate suffering through the diagnosis and treatment of human responses in the care of individuals, families, communities, and population.
4. Collaborate effectively in the conduct of nursing practice.

5. Use management and leadership skills across the continuum of care to create a culture of safe, accessible, cost-effective, quality healthcare.
6. Engage in ethical reasoning and actions to promote advocacy, collaboration, and social justice as a responsible citizen.
7. Develop an identity of self and nurse as inextricably bound and evolving within a complex, diverse world.

MANAGEMENT AND FACULTY

MANAGEMENT TEAM

Management team comprising the following will be responsible to organize and manage entire teaching learning activities at college level and will coordinate with KMU Authorities:

Mrs. ShamshadQadar

Principal PGCN/ Director Degree Programmes



Core Faculty

1. Mr. MohmmadIqbal
B.Sc Nursing (AKSON)
2. Mr. Bakhtiar Ali Shah
B.Sc Nursing (AKSON), MPH
3. Mr. Muhammad Zubair Khan

BSc N),RN (Liaqat National Hospital SON, Karachi) Post RN BSc (LUMHS Jamshoro)

VISITING FACULTY

(A) NURSING VISITING FACULTY

1. Ms. Nazneen Shad
RN, RM ,DWA, DTA ,BSc N, MSc Education Management (UK)
2. Ms. AkhtarBano
RN, RM, B.A (Pesh University), in Post RN BSc.N, (AKUSON)
MPH (PHSA), Peshawar, IEC for Health (Leeds University , UK), Certified in quality management care (Heildburg University, Germany)
3. Ms. Shakila Begum

B) MEDICAL AND ALLIED VISITING FACULTY

KMU will arrange visiting faculty according to the curriculum needs.

TEACHING LEARNING RESOURCES



- Lecture Theatres
- Auditorium
- Library
- Nursing Skills Laboratory
- Science Laboratory
- Learning Resource Centre (LRC)

TECHING LEARNING STRATIGIES

- Lecture
- Demonstration
- Seminar
- Workshops
- Tutorials
- Reflective journal/Log Books
- Assignments
- Clinical



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

ALLOCATION OF SEATS

BSc. Nursing (4 Years Program)

- | | |
|----------------------------|---|
| a) Open merit | 25 seats (05 male 20 Female) for KP/FATA/PATA |
| b) Baluchistan | 02 seats |
| c) FATA | 01 seat (Special reserved seat) |
| d) Afghan Nationals | 02 seats |

Post RN (2 years Program)

- a) Open merit 29 (7 seats for male and 22 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.

ADMISSION / SELECTION POLICY

A candidate seeking admission in any of the program shall apply on a prescribed form appended to the prospectus (Blue for B.Sc Nursing and yellow for B.Sc. Post RN). The candidate shall submit the application form along with attested photocopies of all the documents as mentioned in the application form.

If any document / information provided by the candidate is found false/fake or fabricated at any stage of course the admission will be cancelled.
Incomplete application forms will be rejected

SELECTION CRITERIA

POST RN (2 years Program)

1. Candidate applying for the admission shall fulfill the following criteria:
2. Diploma in General Nursing (at least 2nd division)
3. Diploma in Midwifery for female nurses (at least 2nd division)



4. For male nurses one year diploma in any specialty registered with PNC, at least 2nd division (in lieu of Midwifery)
5. Age limit upto 45 year
6. Complete and documentary evidence of 02 years experience as an RN in any nationally recognized institute.

Merit will be calculated as below:-

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

BSc. 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 55% marks. The merit for admission will be determined as follows.

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

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

Age limit 17 to 25 years

ADMISSION COMMITTEE

The Admission Committee will consists of the following

1. Director Academics, Admissions & QA Chairperson
2. Principal PGCN /Program Director Secretary/ Member
3. Representative of Health Department, Member
4. Deputy Registrar (Statutory Affairs & Academics) Member

The Chairperson Admission Committee will display the merit list of each category of candidates. Objection, if any, be submitted to the Chairperson in writing who will be competent to rectify any error or omission five days before the date of interview. The final merit list will be displayed two days before the date of interview.

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

1. Vice Chancellor KMU Chairman
2. Registrar KMU Member-cum-Secretary
3. Representative of Secretary Health Member

All fee and dues of the first semester must be paid within 15 days of grant 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 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 his/her fee and dues within 30 days, his/her name will be struck off from the institution.

EXAMINATION RULES

Examination Rules and Regulations of KMU shall apply.

FEE AND DUES

S/No.	Item	Amount
1.	<i>Admission Fee</i>	Rs. 1,000 Per semester
2.	<i>Tuition Fee</i>	Rs. 23,000 per Semester
3.	Examination Fee (Mid term) (Final term)	Rs. 500 Per Semester. Rs. 1,500 per Semester
4.	<i>Clinical Fund</i>	Rs. 1,000 per semester
5.	<i>College Development Fund</i>	Rs. 600 per semester
6.	<i>Library Fund</i>	Rs. 500 per semester
7.	<i>Science Lab. Fee</i>	Rs. 1,000 per semester
8.	<i>Study tour Fund</i>	Rs. 1,200 per semester
9.	<i>Nursing skill Lab Fund</i>	Rs. 1,000 Per semester
10.	<i>Enrolment Fee (PNC)</i>	Rs. 200 Once per program
11.	<i>Security Fund (Refundable)</i>	Rs. 1,500 Once per program
12.	<i>KMU Registration Fee</i>	Rs. 1,000 Once per program
13.	Graduation Fee	Rs 1,000 Once per program

PROGRAM STRUCTURE

Framework of Curriculum for B.Sc. Post RN (two years)

Year 1, Semester – I

S. #	Course Title	Marks	Credits
1	Advance nursing concepts-I theory & Practical	200	6
2	Health assessment theory & Practical	100	3
3	Integrated sciences – I Physiology and Microbiology	100	3
4	Computer in Nursing	50	1
5	Professional development	100	3
6	Social sciences: Sociology (culture, health and society) and Psychology	100	3
7	English	100	2
	Total	750	21

Year 1, Semester – II

S. #	Course Title	Marks	Credits
1	Advance nursing concepts-II theory, practical	200	6
2	Integrated sciences – II Physics and Chemistry	100	3
3	Community Health Nursing	100	5
4	Epidemiology	100	2
5	Introduction to management	100	2
6	Fundamental of counselling & guidance	100	2
7	English –II	100	2
	Total	800	22

Year 2, Semester – III

S. #	Course Title	Marks	Credits
1	Advance nursing concepts-III theory & Practical	200	6
2	Nursing research	100	3
3	Bio-statistic	100	3
4	Psychology of learning	100	3
5	Principles and methods of teaching	100	2
6	Clinical teaching and clinical supervision	100	3
7	English –III	100	2
Total		800	22

Year 2, Semester – IV (A) SENIOR ELECTIVE NURSING EDUCATION

S. #	Course Title	Marks	Credits
1	Curriculum planning & Development	100	2
2	Administration in Nursing educational program	100	2
3	Principles and method of evaluation	100	2
4	English – IV	100	2
5	Practicum (in nursing education)	200	12
Total		600	20

Year 2, Semester – IV (B) SENIOR ELECTIVE NURSING MANAGEMENT

S. #	Course Title	Marks	Credits
1	Planning	50	1
2	Organizing	50	1

3	Staffing	50	1
4	Directing	50	1
5	Controlling	50	1
6	Financing	50	1
7	English IV	100	2
8	Practicum (in nursing management)	200	12
Total		600	20

Year 2, Semester – IV (C) SENIOR ELECTIVE COMMUNITY HEALTH NURSING

S. #	Course Title	Marks	Credits
1	Community Health And Development	100	2
2	Primary health care	100	2
3	Community health nursing management	100	2
4	English	100	2
5	Practicum (in community health nursing)	200	12
Total		600	20

- 20 weeks study hours
- 02 weeks examination
- 6 weeks for theory
- 14 weeks for practicum
- **Formula:** The calculations are done according to the following criteria 6 hours/day, 6 days/weeks= 36 hours/week.

FRAMEWORK OF CURRICULUM FOR NURSING PROGRAM (04 YEARS)

Year 1, Semester I

Year 1	Course Title	Theory	Clinical	Skills/ Lab	Credit
1	Microbiology	2.50		0.5	3.00
2	Anatomy and Physiology-I	2.50		0.5	3.00
3	Biochemistry for Nurses	2.00		1.00	3.00

4	Mathematics	1.00			1.00
5	Computer Skills			1.00	1.00
6	Islamiat*	2.00			2.00
7	Pak. Studies*	2.00			2.00
8	Communication Skills	3.00			3.00
	Total	15.00		3.00	18.00

Year 1, Semester II

Year 1	Course Title	Theory	Clinical	Skills/ Lab	Credit
1	Fundamental of Nursing	3.00		3.00	6.00
2	Anatomy and Physiology-II	3.00			3.00
3	Community Health Nursing-I	2.00	*1.00		3.00
4	Nursing Ethics	1.00			1.00
5	Introduction to Nursing Profession	1.00			1.00
6	English I	3.00			3.00
	Total	13.00	1.00	3.00	17.00

Year 2, Semester III

Year 2	Course Title	Theory	Clinical	Skills/Lab	Credit
1	Adult Health Nursing-I	4.00	4.00		8.00
2	Pathophysiology-I	1.50		0.50	2.00
4	Pharmacology-I	2.00			2.00
5	Applied Nutrition	1.00			1.00
6	English II	2.00			2.00
	Total	10.5	4.00	0.50	15.00

Year 2, Semester IV

Year 2	Course Title	Theory	Clinical	Skills/Lab	Credit
1	Adult Health Nursing-II	4.00	4.00		8.00

2	Pathophysiology-II	3.00		3.00
3	Teaching and Learning: Principles and Practices	3.00		3.00
4	Pharmacology II	2.00		2.00
5	English III	2.00		2.00
	Total	14.00	4.00	18.00

Year 3, Semester V

Year 3	Course Title	Theory	Clinical	Skills/Lab	Credit
1	Pediatrics Health Nursing	3.00	3.00		6.00
2	Tropical Diseases	1.00			1.00
3	Developmental Psychology	2.00			2.00
4	Reproductive Health	2.00	2.00		4.00
5	English IV	2.00			2.00
6	Culture, Health and Society	3.00			3.00
	Total	13.00	5.00		18.00

Year 3, Semester VI

Year 3	Course Title	Theory	Clinical	Skills/Lab	Credit
1	Mental Health Nursing	3.00	3.00		6.00
2	Introduction to Biostatistics	3.00			3.00
3	Behavioral Psychology	3.00			3.00
4	Epidemiology	2.00			2.00
5	Academic Writing	2.00			2.00
	Total	13.00	3.00		16.00

Year 4, Semester VII

Year 4	Course Title	Theory	Clinical	Skills/Lab	Credit
	Advanced Concepts in Nursing	2.00	3.00		5.00

1.	Leadership and Management in Nursing	3.00		3.00
2.	Nursing Research	3.00		3.00
3.	Introduction to nursing theories	3.00		3.00
4.	Professional writing	2.00		2.00
5.	Elective **	2.00		2.00
6.	Total	15.00	3.00	18.00

Year 4, Semester VIII

Year 4	Course Title	Theory	Clinical	Skills/Lab	Credit
1	Evidence base Research project		4.00		4.00
2	Community Health Nursing-II	2.00	2.00		4.00
3	Nursing Seminar / role transition	2.00			2.00
4	writing for Research report	2.00			2.00
5	Electives **	3.00			3.00
	Total	9.00	6.00		15.00

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



Khyber Medical University
Institute of Physical Medicine and Rehabilitation

VISION

The institute will be the leader in the provision of an intellectual environment for innovative teaching, learning and research in the field of Physiotherapy and Rehabilitation.

MISSION

The institute is a formal educational center to help the physiotherapists for 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 leadership in physiotherapy 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 physiotherapy students
- To equip student with updated knowledge and skills in physiotherapy
- To deliver physiotherapy services to the community

OUTCOMES

- Development of professionalism and integrity.
- Capacity building of physiotherapists and other members of rehabilitation in the province by equipping them with updated knowledge and new skills.
- Advocacy regarding the physiotherapy in the province.
- Provision of opportunities to the students for research.
- Establishment of leading institute which will provide formal education at graduate and postgraduate level in physiotherapy.

GOALS

- Providing a positive, supportive, forward thinking and team-oriented environment for core faculty, students and other team members of the institute.
- Improvement in teaching methodology in physiotherapy by capacity building the core faculty.
- Development of linkages with health department and other related organizations to find the gaps in physiotherapy facilities in the province.

FUNCTIONS

- Working as a focal point for all physiotherapist of the province.
- Networking among all organizations working on rehabilitation in the province and country.
- Provision of formal education in physiotherapy.
- Exposure visits of hospitals to our students so that they may be able to get an idea regarding the rehabilitation in the province.
- Arrangement of workshops and seminars on physiotherapy.
- Guidance of students for higher education.
- Representing physiotherapy at all level in the province (country).
- Arrangement of short courses on physiotherapy for the capacity building of the physiotherapist of the province.

- Capacity building of core faculty by sending them formally for higher studies.
- Capacity building of the core faculty by sending them formally for higher studies.
- Capacity building of the core faculty to be the master trainer for series of the seminars/workshops for the capacity building of the physiotherapist of the province.
- Working on the development of the uniform curriculum at graduate and postgraduate level.
- Organizing all physiotherapist of the province to form a formal organization in the form of societies or council with the aim to improve the skills of the physiotherapists.

ADMISSION POLICY

1. Selection Criteria:

- a. 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 55% marks or possessing an equivalent qualification from a recognized board. The merit for admission will be determined as follows.

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

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

2. Allocation of Seats

- a. Total 30 seats
- b. Open merit (Khyber Pukhtunkhwa, FATA and PATA) 24 seats
These seats are open to applicants possessing valid domicile certificate for KP, FATA and PATA.
- c. Baluchistan 02 seat
- d. FATA 01 seat
- e. Foreign/Afghan 03 seats

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.

3. Fee Structure

S/No	Items	Amount
1	Tuition fee	Rs. 23,000 per semester
2	Admission fee	Rs. 1,000 per semester
3	Computer Fund	Rs. 250 per semester
4	Library Fund	Rs. 250 per semester
5	Recreation Fund	Rs. 500 per semester
6	Laboratory Fund	Rs. 1000 per semester
7	Examination Fee (Mid term)	Rs. 500 per semester
	(Final term)	Rs. 1500 per semester
8	Security (Refundable)	Rs. 1500 Once in program
9	Khyber Medical University Registration Fee	Rs. 1000 Once in program-

SELECTION AND ADMISSION OF APPLICANTS

The Admission Committee will consist of the following:

1 Director Academics, Admissions and Quality Assurance

Chairman

2	Director/Principal of Institute of Physical Medicine and Rehabilitation	Secretary-cum Member
3	Chairman Pakistan Institute of Prosthetic and Orthotic Sciences (PIPOS)	Member
4.	Representative of Health Department KPK	Member

The Chairman of Admission Committee will display the merit list of each category of candidates. Objection, if any, be submitted to the Chairman in writing who will be competent to rectify any error or omission five days before the date of interview. The final merit list will be displayed two days before the date of interview.

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

- | | |
|---|-----------------------------|
| 4. Vice Chancellor KMU | Chairman |
| 5. Registrar KMU | Member-cum-Secretary |
| 6. Chief Executive Paraplegic Centre | Member |

All fee and dues of the first semester must be paid within 15 days of grant 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 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.

FEE REFUND POLICY OF KMU

In case of cancellation of admission of 1st semester in Bachelor / Master Level Program, the refund will be made as per policy after deduction given below:

- a. Student who leaves the Bachelor / Master level program within the stipulated period of admission 5% of whole dues of 1st semester.
- b. Student who leaves the Bachelor / Master level program within the 7 days of admission 10% of whole due of 1st semester.
- c. Student who leaves the Bachelor / Master level program from 8 to 14 days of starting of classes 15% of whole dues of 1st semester.
- d. Student who leaves the Bachelor / Master level program from 15 to 21 days of 20% of whole dues of 1st semester.
- e. Student who leaves the bachelor / Master level program after 21 days of starting the classes dues will not be refunded under any circumstances except security.

FACILITIES

Learning Resource Center (LRC)

IPM&R has a well equipped learning resource center. It has twenty computers which are connected to internet

service. HEC digital library is accessible to all students. It has a large variety of books related to physical Therapy.



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. LRC is also used for conduction of workshop on research methodology.

AUDITORIUM

The presence of auditorium which has capacity of eighty five persons, has made IPM&R a busy learning center. Workshops on curriculum development, research methodology, medical writing SPSS are frequently conducted here. Auditorium is well equipped with all the facilities that are



needed for workshops and seminars.

Disciplinary Rules and Regulations

Khyber Medical University Student Conduct Rules shall be applicable.

Hostel / Accommodation

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

EXAMINATIONS

5) Method of Examination:

- a) There will be continuous assessment. Mid term examination will be conducted by the institute and final examination at the end of the semester will be conducted by Khyber Medical University, Peshawar.
- b) Internal evaluation; there is regular assessment on daily basis of the students. This include attendance, class behavior, monthly tests, presentations and examination behavior
- c) Those candidates who fail the final semester examination will not be promoted to the next semester.

6) Registration

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

7) Medium of instruction and examination shall be English

8) Examination rules and regulations

The examination Rules and Regulations of KMU shall be applicable.



TEACHING FACULTY

1. Core Faculty:

- 1) Mr. Muhammad Ibrahim Director/Principal
BSPT Physiotherapy (Karachi University), SRPT (UK)
- 2) Mr. Muhammad Bin Afsar Jan Assistant Professor
BSPT (Pak), MPPS (Pak), MSPT (Aus), MAPA (Australia), MNPA (New Zealand)
- 3) Mr. Haider Darain Lecturer
BSPT (Karachi University) MSc Health & Physical Education (Karachi University)
- 4) Mrs. Sajida Mazhar lecturer
BSPT, MSPT (Karachi University), MPPS (Pak)
- 5) Mr. Danish Ali Khan Lecturer
BSPT (Ziauddin Medical University), MSPT (Karachi University), MSMAP (PAK), DSM (AFSM)

2. Management:

- 1) Muhammad Farooq (Office Manager)
- 2) Janas Khan (Computer Lab Manager)
- 3) Zeeshan Farooq (Office Assistant cum Computer Operator)

Visiting Faculty of Basic Sciences

- 1) Khyber Medical College, Peshawar. Khyber Girls Medical College, Peshawar.

SCHEME OF STUDIES FOR 5 YEARS

DOCTOR OF PHYSICAL THERAPY (DPT) PROGRAM

SEMESTER/YEAR	NAME OF SUBJECT	CREDITS
FIRST PROFESSIONAL YEAR		
FIRST	ANATOMY -I	4(3-1)
	PHYSIOLOGY-I	3(2-1)
	KINESIOLOGY-I	3(2-1)
	ENGLISH-I	3(3-0)
	PAKISTAN STUDIES	2(2-0)
	BIostatISTICS-I	3(3-0)
		18
SECOND	ANATOMY -II	4(3-1)
	PHYSIOLOGY-II	3(2-1)
	KINESIOLOGY-II	3(2-1)
	ENGLISH-II	3(3-0)
	ISLAMIC STUDIES / ETHICS	2(2-0)
	BIostatISTICS-II/ UNIVERSITY OPTIONAL	3(3-0)
		18
SECOND PROFESSIONAL YEAR		
THIRD	ENGLISH-III	3(3-0)
	INTRODUCTION TO COMPUTER	3(2-1)
	ANATOMY -III	3(2-1)
	PHYSIOLOGY-III	3(2-1)
	BIOMECHANICS & ERGONOMICS-I	3(3-0)

	BIOCHEMISTRY & GENETICS I	2(2-0)
		17
FOURTH	ANATOMY -IV	3(2-1)
	BIOMECHANICS & ERGONOMICS-II	3(2-1)
	BEHAVIORAL SCIENCES <i>(Psychiatry & Psychology)</i>	3(3-0)
	BIOCHEMISTRY& GENETICS II	2(2-0)
	EXERCISE PHYSIOLOGY-	3(3-0)
	MEDICAL PHYSICS	3(2-1)
		17
	THIRD PROFESSIONAL YEAR	
FIFTH	PATHOLOGY & MICROBIOLOGY I	2(2-0)
	PHARMACOLOGY I	3(3-0)
	PHYSICAL AGENTS & ELECTROTHERAPY -I	3(2-1)
	THERAPEUTIC EXERCISES & TECHNIQUES	3(2-1)
	SOCIOLOGY	2(2-0)
	HEALTH & WELLNESS	2(2-0)
	SUPERVISED CLINICAL PRACTICE I	3(0-3)
		18
SIXTH	PATHOLOGY & MICROBIOLOGY II	3(2-1)
	PHARMACOLOGY II	2(2-0)
	PHYSICAL AGENTS & ELECTROTHERAPY -II	3(2-1)
	MANUAL THERAPY	3(2-1)

	TEACHING METHODOLOGY & COMMUNITY MEDICINE	3(3-0)
	SUPERVISED CLINICAL PRACTICE II	3(0-3)
		17
	FOURTH PROFESSIONAL YEAR	
SEVENTH	MEDICINE I	3(3-0)
	SURGERY I	3(3-0)
	RADIOLOGY & DIAGNOSTIC IMAGING -	3(2-1)
	MUSCULOSKELETAL PHYSICAL THERAPY	3(2-1)
	HUMAN GROWTH, DEVELOPMENT & COMMUNITY BASED REHABILITATION	2(2-0)
	SUPERVISED CLINICAL PRACTICE III	3(0-3)
		17
EIGHT	MEDICINE II	3(3-0)
	SURGERY II	3(3-0)
	NEUROLOGICAL PHYSICAL THERAPY	3(2-1)
	EVIDENCE BASED PRACTICE	3(2-1)
	PROSTHETICS & ORTHOTICS	2(2-0)
	SUPERVISED CLINICAL PRACTICE IV	3(0-3)
		17
	FIFTH PROFESSIONAL YEAR	
NINTH	CARDIOPULMONARY PHYSICAL THERAPY	3(2-1)
	EMERGENCY PROCEDURES AND PRIMARY CARE	2(2-0)
	CLINICAL DECISION MAKING & DIFFERENTIAL DIAGNOSIS	3(3-0)

	SCIENTIFIC INQUIRY & RESEARCH METHODOLOGY	3(2-1)
	PROFESSIONAL PRACTICE (LAWS , ETHICS, ADMINISTRATION)	2(2-0)
	INTEGUMENTRY PHYSICAL THERAPY	2(2-0)
	SUPERVISED CLINICAL PRACTICE V	3(0-3)
		18
TENTH	GYNAECOLOGY & OBSTETRICS PHYSICAL THERAPY	2(2-0)
	PAEDIATRIC PHYSICAL THERAPY	2(2-0)
	GERONTOLOGY AND GERIATRIC PHYSICAL THERAPY	2(2-0)
	SPORTS PHYSICAL THERAPY	2(2-0)
	SUPERVISED CLINICAL PRACTICE VI	4(0-4)
	RESEARCH PROJECT	6
		18
	TOTAL CREDITS	175