



Prospectus

Session 2012-13

Khyber Medical University
Institute of Physical Medicine and
Rehabilitation

Director/principal message

Welcome to Institute of Physical Medicine and Rehabilitation (IPM&R), Khyber Medical University. Physical therapists work with people with a variety of disabilities, injuries and illnesses and their families and careers. Primarily, they use physical means to promote health, rehabilitation and, where possible, recovery using education and information giving, manual therapy, therapeutic exercise and electrotherapy. Physical therapists also consider psychological, social and cultural factors. They work with other members of the health and social care team in a variety of hospital and community environments.



Physical therapists manage their own caseloads and patients may now refer themselves directly for treatment. They diagnose problems, prescribe treatment and discharge or refer clients as appropriate. They are involved with teaching and mentoring other practitioners, with team leadership and with the implementation and management of change.

The wide scope of physical therapy is one of its assets, making it an exciting and varied career. Physical therapists might work in hospitals, community settings, in research and teaching or run their own private practice. They are often part of a health or social care team, or may be autonomous professionals, acting as the first point of contact for patients.

Physical therapists are now challenging traditional healthcare roles and the scope of the profession is extending to encompass consultant physical therapists or senior hospital managers. Those entering the profession can look forward to dynamic and challenging careers.

Institute of Physical Medicine and Rehabilitation (**IPM&R**) was established in 2009 at Khyber Medical University Peshawar. It started by offering a bachelor's degree of four years in physical Therapy title BSPT which was later upgraded to a five years degree program, Doctor in Physical Therapy (**DPT**) in 2011. It was then only the second institute in public sector in Pakistan offering **DPT** and first ever in Khyber Pakhtunkhwa. We are offering masters in physical therapy in two specialties, Musculo-skeletal physical therapy and Neurological physical therapy which makes us proud to achieve another milestone.

A variety of teaching and learning activities are offered including lectures, practical sessions and tutorial opportunities. We have enthusiastic, hardworking and sincere faculty which guide students in every aspect.

I feel proud when I see the enthusiasm in our students with a desire to excel in the field of physical Therapy. I am sure that opportunities will come their way from Pakistan and abroad to excel and prove their metal in the area of physical therapy and rehabilitation.

Mohammad Bin Afsar Jan

Director/ Principal, IPM&R KMU

VISION

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

MISSION

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

OBJECTIVES

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

OUTCOMES

- Development of professionalism and integrity.
- Capacity building of physical therapists and other members of rehabilitation in the province by equipping them with updated knowledge and skills.
- Advocacy regarding the physical therapy in the province
- Establishment of leading institute which will provide formal education at graduate and post graduate level in physical therapy.

GOALS

- Providing a positive, supportive, forward thinking and team-oriented environment for core faculty, students and other members of the institute.
- Improvement in teaching methodology in physical therapy by capacity building of the core

faculty.

- Development of linkage with health departments and other related organizations to discover the gaps in physical therapy facilities in the province and hence find the solutions to fill those gaps.

FUNCTIONS

- Working as a focal point for all physical therapist in the province.
- Networking among all organizations working on rehabilitation in the province and in the country (collaboration with international organizations and institutes).
- Provision of formal education in physical therapy.
- 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 physical therapy
- Guidance of students for higher education.
- Representing physical therapy at all levels in the province as well as in country.
- Arrangement of short courses(CPD courses)on physical therapy for the capacity building of the physical therapists of the province
- 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 physical therapists of the province.
- Working on the development of the uniform curriculum at graduate and post graduate level.
- Organizing all physical therapists of the province to form a formal organization in the form of societies or council with the aim of development of profession and improvement of skills of the physical therapists.

Doctor of Physical Therapy Programme (DPT)

ADMISSIONPOLICY

1. Selection criteria:

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

Examination Test	Weight age
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 FSc marks for each additional attempt.

2. Allocation of Seats

a. Open Merit (KPK, FATA, PATA)	24
b. FATA	01
c. Baluchistan	02
d. Foreign/Afghan	03

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

Age limit: 17 to 25 years.

3. Selection and Admission of applicants

The Admission Committee will consist of the following:

a. Director Academics, Admissions and QA	Chairman
b. Director/Principal IPM & R	Member-cum-Secretary
c. Chairman PIPOS	Member
d. Representative of Health Department	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.

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|--|----------------------|
| a. Vice Chancellor | Chairman |
| b. Registrar | Member-cum-Secretary |
| c. Chief Executive Paraplegic Centre | Member |
| d. Representative of Health Department | Member |

Fee Structure

S/No	Items	Amount
1.	Tuition fee	Rs. 26,000 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. 1,000 per semester
7.	Examination Fee (Mid-term)	Rs. 500 per semester
	(Final-term)	Rs. 1,500 per semester
8.	Security (Refundable)	Rs. 1,500 Once in program
9.	Khyber Medical University Registration Fee	Rs. 1,000 Once in program

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:

- Student who leaves the Bachelor / Master level program within the stipulated period of admission 5% of whole dues of 1st semester.
- Student who leaves the Bachelor / Master level program within the 7 days of admission 10% of whole due of 1st semester.
- Student who leaves the Bachelor / Master level program from 8 to 14 days of starting of classes 15% of whole dues of 1st semester.
- Student who leaves the Bachelor / Master level program from 15 to 21 days of 20% of whole dues of 1st semester.
- 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 (LRC). There are 20 advanced computers

connected to internet service with access to HEC digital library which has a verity of books related to physical therapy, basic and rehabilitation sciences.

Student uses LRC for self-study and preparing assignments under the supervision of computer lab manager. This facility is also readily utilized for workshops and lectures.



AUDITORIUM

The presence of auditorium which has a capacity of 85 persons has made IPM&R a busy learning center. Workshops on curriculum development, research methodology, medical writing, and SPSS workshops are frequently conducted here. Auditorium is well equipped with all modern 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

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 each semester will be conducted by Khyber Medical University.
- 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.

Registration

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

Medium of instruction and examination shall be English.

Examination rules and regulations

The examination Rules and Regulations of KMU shall be applicable.

TEACHING FACULTY

1. Core Faculty:

1. Mr. Muhammad Bin Afsar Jan,
Assistant Professor / Principal / Director
BSPT (Pak), PPS (Pak), MSPT (Aus), GCRS (Aus), MNPA (NZ)



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



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3. Mr. Haider Darain, Lecturer
BSPT (Pak) M. Sc Health & Physical Education (Pak)

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4. Mrs. Sajida Mazhar,
Lecturer
BSPT (Pak), MSPT (Pak), MPPS (Pak)



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5. Mr. Danish Ali Khan,
Lecturer
BSPT (Pak), MSPT (Pak), MSMAP (Pak), DSM (AFSM)



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



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7. Mr. Salaman Farooqi,
Lecturer
BSPT (Pak), MSPT (Pak)



2. Management:

- 1) Mr. Kamran Irshad (Assistant Director)
- 2) Mr. Janas Khan (Computer Lab Manager)
- 3) Mr. Abdul Rahman (Office Assistant cum Computer Operator)

3. Visiting Faculty of Basic Sciences:

S. No	Subjects	Faculty	institute
1.	Anatomy	Dr. Maqbool Illahi	KGMC
		Dr. Asad Jehangir	KGMC
		Dr. Niaz Mohammad	KGMC
2.	Physiology	Dr. Rashid Mehmood	KGMC
		Dr. Gul Muhammad	KGMC
		Dr. Bahre Karam	KGMC
3.	Biochemistry	Dr. Amin-ul- Haq	KGMC
4.	English	Mr. Syed Ziaullah	PESHAWAR UNIVERSITY
5.	Pathology	Dr. Khalid Javed	KGMC
6.	Islamiat	Dr. Abdul Ghafoor	KMU
7.	Pak Studies	Mr. Alamgir Afridi	KMU
8.	Biostatistics	Dr. Zafar Mehmood	AGRICULTURE UNIVERSITY
9.	Pharmacology	Dr. Sami Siraj	IBMS KMU
10.	Sociology	Mr. Abdul Hameed Khan	PESHAWAR UNIVERSITY
11.	Surgery	Prof Dr. Mazhar Khan	HMC
		DR. Shehzad Akbar Khan	HMC
		Dr. Zafar Iqbal	HMC
12.	Medicine	Dr. Muhammad Noor	HMC
		Dr. Said Ameen	HMC
		Dr. Muhammad Usman	HMC
13.	Radiology	Dr. Tahira Nishtar	HMC
		Dr. Noor ul Hadi	HMC
		Dr. Muhammad Nawaz	HMC

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

SEMESTER/YEAR	Course Code	NAME OF SUBJECT	CREDITS
FIRST	FIRST PROFESSIONAL YEAR		
	DPT 511	ANATOMY –I	4(3-1)
	DPT 512	PHYSIOLOGY-I	3(2-1)
	DPT 513	KINESIOLOGY-I	3(2-1)
	DPT 514	ENGLISH-I	3(3-0)
	DPT 515	PAKISTAN STUDIES	2(2-0)
	DPT 516	BIOSTATISTICS-I	3(3-0)
			18
SECOND	DPT 521	ANATOMY –II	4(3-1)
	DPT 522	PHYSIOLOGY-II	3(2-1)
	DPT 523	KINESIOLOGY-II	3(2-1)
	DPT 524	ENGLISH-II	3(3-0)
	DPT 525	ISLAMIC STUDIES / ETHICS	2(2-0)
	DPT 526	BIOSTATISTICS-II/ UNIVERSITY OPTIONAL	3(3-0)
THIRD	SECOND PROFESSIONAL YEAR		
	DPT 534	ENGLISH-III	3(3-0)
	DPT 532	INTRODUCTION TO COMPUTER	3(2-1)
	DPT 531	ANATOMY –III	3(2-1)
	DPT 533	PHYSIOLOGY-III	3(2-1)
	DPT 535	BIOMECHANICS & ERGONOMICS-I	3(3-0)
	DPT 536	BIOCHEMISTRY & GENETICS I	2(2-0)
			17
FOURTH	DPT 541	ANATOMY –IV	3(2-1)
	DPT 545	BIOMECHANICS & ERGONOMICS-II	3(2-1)
	DPT 542	BEHAVIORAL SCIENCES <i>(Psychiatry & Psychology)</i>	3(3-0)
	DPT 546	BIOCHEMISTRY& GENETICS II	2(2-0)
	DPT 543	EXERCISE PHYSIOLOGY-	3(3-0)
	DPT 544	MEDICAL PHYSICS	3(2-1)
FIFTH	THIRD PROFESSIONAL YEAR		
	DPT 551	PATHOLOGY & MICROBIOLOGY I	2(2-0)
	DPT 552	PHARMACOLOGY I	3(3-0)
	DPT 553	PHYSICAL AGENTS & ELECTROTHERAPY -I	3(2-1)
	DPT 554	THERAPEUTIC EXERCISES & TECHNIQUES	3(2-1)
	DPT 555	SOCIOLOGY	2(2-0)
	DPT 556	HEALTH & WELLNESS	2(2-0)
	DPT 557	SUPERVISED CLINICAL PRACTICE I	3(0-3)
			18

SIXTH	DPT 561	PATHOLOGY & MICROBIOLOGY II	3(2-1)
	DPT 562	PHARMACOLOGY II	2(2-0)
	DPT 563	PHYSICAL AGENTS & ELECTROTHERAPY -II	3(2-1)
	DPT 564	MANUAL THERAPY	3(2-1)
	DPT 565	TEACHING METHODOLOGY & COMMUNITY MEDICINE	3(3-0)
	DPT 567	SUPERVISED CLINICAL PRACTICE II	3(0-3)
			17
SEVENTH	FOURTH PROFESSIONAL YEAR		
	DPT 571	MEDICINE I	3(3-0)
	DPT 572	SURGERY I	3(3-0)
	DPT 573	RADIOLOGY & DIAGNOSTIC IMAGING -	3(2-1)
	DPT 574	MUSCULOSKELETAL PHYSICAL THERAPY	3(2-1)
	DPT 575	HUMAN GROWTH, DEVELOPMENT & COMMUNITY BASED REHABILITATION	2(2-0)
	DPT 577	SUPERVISED CLINICAL PRACTICE III	3(0-3)
			17
EIGHT	DPT 581	MEDICINE II	3(3-0)
	DPT 582	SURGERY II	3(3-0)
	DPT 583	NEUROLOGICAL PHYSICAL THERAPY	3(2-1)
	DPT 584	EVIDENCE BASED PRACTICE	3(2-1)
	DPT 585	PROSTHETICS & ORTHOTICS	2(2-0)
	DPT 587	SUPERVISED CLINICAL PRACTICE IV	3(0-3)
			17
NINTH	FIFTH PROFESSIONAL YEAR		
	DPT 591	CARDIOPULMONARY PHYSICAL THERAPY	3(2-1)
	DPT 592	EMERGENCY PROCEDURES AND PRIMARY CARE	2(2-0)
	DPT 593	CLINICAL DECISION MAKING & DIFFERENTIAL DIAGNOSIS	3(3-0)
	DPT 594	SCIENTIFIC INQUIRY & RESEARCH METHODOLOGY	3(2-1)
	DPT 595	PROFESSIONAL PRACTICE (LAWS , ETHICS, ADMINISTRATION)	2(2-0)
	DPT 596	INTEGUMENTRY PHYSICAL THERAPY	2(2-0)
	DPT 597	SUPERVISED CLINICAL PRACTICE V	3(0-3)
			18
TENTH	DPT 5101	GYNAECOLOGY & OBSTETRICS PHYSICAL THERAPY	2(2-0)
	DPT 5102	PAEDIATRIC PHYSICAL THERAPY	2(2-0)
	DPT 5103	GERONTOLOGY AND GERIATRIC PHYSICAL THERAPY	2(2-0)
	DPT 5104	SPORTS PHYSICAL THERAPY	2(2-0)
	DPT 5105	SUPERVISED CLINICAL PRACTICE VI	4(0-4)
	DPT 5106	RESEARCH PROJECT	6
			18
TOTAL CREDITS			175

Master in Physical Therapy

Two years programme

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

The structure of the program and the core subjects, along with clinical placements included, meet the needs of individuals to improve their knowledge, develop their skills and to integrate this into their respective clinical practices, where appropriate. The research module and dissertation, together with modules like Evidence Based Practice, Biostatistics will develop the students' research capabilities and critical evaluation skills.

Admission policy

1. Eligibility criteria:

- a. Admission will be open to all Pakistani nationals both male and female candidates.
- b. Candidate having four year bachelor's degree in physical Therapy (BSPT) / Doctor Of Physical Therapy (DPT)/ or equivalent degree from any HEC recognized university.
- c. In service candidates must apply through proper channel. However, an advanced copy may be submitted directly.

2. Selection criteria:

- a. Academic qualification BSPT/ DPT. Percentage of aggregate of all professional examinations to 50 marks
- b. Experience: 01 mark per year for service in Government/ semi-autonomous/autonomous/ recognize private institutions and organizations like WHO/ UNICEF up to maximum 10 marks.
- c. Publications: in HEC recognize journals maximum 5 marks

- i. 1st author: 1.0 marks per paper
 - ii. 2nd & 3rd author: 0.5 marks per paper
 - iii. 4th and onward author: 0.2 marks per paper
- d. Post graduate qualification: 05 marks for minor and 10 marks for major degree from any HEC recognize university.
- e. Interview: 25 marks. any candidate who secures less than 50% marks in interview shall be declared unsuccessful.

3. Allocation of seats:

- a. Musculoskeletal physical therapy 20 seats
- b. Neurological physical therapy 20 seats

4. Fee structure:

- a. Registration Fee Rs. 1000 (once only)
- b. Tuition Fee Rs. 45000 per semester

5. COURSE OUTLINE

MS physical therapy and Rehabilitation

SEMESTER-1						
Course code	Course Title	Credit Hours			Clock Hours	
		Theory	Practical / Labs.	Total	(Theory + Practical / Labs.)	Total
PTHY 701	Biomechanics	2	1	3	(2+2)	4
PTHY 702	Patho-physiology	2	-	2	(2+0)	2
PTHY 703	Functional Anatomy	3	1	4	(3+2)	5
PTHY 704	Research Methodology	2	-	2	(2+0)	2
PTHY 705	Clinical Placement-1	-	3	3	(0+9)	9
Total Credit Hours of first Semester = 14						
Total Clock Hours of first Semester = 22						
SEMESTER-2						
PTHY 712	Electro-physical Agents	2	1	3	(2+2)	4
PTHY-713	Psychology & Bioethics	3	1	4	(3+2)	5
PTHY 703	Functional Anatomy	3	1	4	(3+2)	5

PTHY 704	Research Methodology	2	-	2	(2+0)	2
PTHY 705	Clinical Placement-1	-	3	3	(0+9)	9
Total Credit Hours of Second Semester = 14						
Total Credit Hours of Second Semester = 21						

SEMESTER-3 (SPECIALITY:MUSCULO-SKELETALPHYSICALTHERAPY)						
PTHY-M 821	Musculoskeletal Disorders & Sports Injuries-1	3	2	5	(3+4)	7
PTHY-M 822	Advance Physical Therapy Techniques (Musculoskeletal)-1	3	2	5	(3+4)	7
PTHY-M 823	Clinical Decision Making	2	0	2	(2+0)	2
PTHY-M 824	Biostatistics	2	0	2	(2+0)	2
PTHY-M 825	Clinical Placement	0	2	2	(0+6)	6
SEMESTER-3 (SPECIALTY: NEUROLOGICAL PHYSICAL THERAPY)						
PTHY-N 830	The Science of Physical Therapy Practice in Neurology	3	1	4	(3+2)	5
PTHY-N 831	Advance Application of Physical Therapy Treatment Procedures for the Neurological Disorders-1	3	3	6	(3+9)	12
PTHY-N 832	Clinical Decision Making	2	0	2	(2+0)	2
PTHY-N 833	Biostatistics	2	0	2	(2+0)	2
PTHY-N 834	Neurological Rehabilitation Practicum	0	2	2	(0+6)	6
Total Credit Hours of Third Semester = 16						
Total Clock Hours of Third Semester = 27						
SEMESTER-4 (SPECIALITY: MUSCULO-SKELETAL PHYSICAL THERAPY)						
PTHY-M 826	Musculoskeletal Disorders & Sports Injuries-2	2	1	3	(2+2)	4
PTHY-M 827	Advance Physical Therapy Techniques Musculoskeletal-2	2	1	3	(2+2)	4
PTHY-M 828	Clinical Placement	-	2	2	(0+6)	6
PTHY-M 839	Theoretical Project	0	2	2		2
PTHY-M 829	Research Thesis / Dissertation	-	-	6	-	6
Total Credit Hours of Third Semester = 16						
Total Clock Hours of Third Semester = 22						

SEMESTER-4 (SPECIALITY:NEUROLOGICAL PHYSICAL THERAPY)						
PTHY-N 835	Principal of Physiotherapy Management of Neurological Disorders	2	1	3	(2+2)	4
PTHY-N 836	Advance Application of Physical Therapy Treatment Procedures for the Neurological Disorders-2	2	1	3	(2+2)	4
PTHY-N 837	Theoretical Project	2	-	2	(2+0)	2
PTHY-N 838	Dissertation/ Research Thesis	-	-	6	-	6
PTHY-N 839	Stroke practicum		2	2	(0+6)	6
Total Credit Hours of Fourth Semester = 16						
Total Clock Hours of Fourth Semester = 22						

EXTRA CURRICULAR ACTIVITIES

Sports and extracurricular activities play a key role in the personal, social, and cultural development of the students. Academics probably comes first, but the extracurricular activities reveals great deal as they are essential for building attribute like teamwork, commitment, responsibility and leadership.

The KMU gives importance to the extracurricular activities, a wide range of extracurricular activities exists on and off the campus these activities include:

Recreation tours

Trip to Lahore



Sports

Table tennis (Table tennis tournament at IPM&R)



Badminton (badminton tournament at IPM&R)



Cricket

(Inter college cricket match)



BURQA Day 27 Feb 2012

