



Karachi Metropolitan University

Department of Physical Therapy

•Doctor of Physical Therapy (DPT)

About Physical Therapy Department

Karachi Metropolitan University 's department of "Physiotherapy and Rehabilitation Sciences" is established in 2024 and with the grace of Almighty Allah, our 1st Academic Session will start in 2025.

We are committed to offer quality education through achieving excellence in the field of Physical therapy and Rehabilitation Sciences. This department is fully equipped with modern equipment including State-of -the-Art Anatomy Lab, Physiology Lab, Kinesiology Lab, Electrotherapy Lab, Manual Therapy and Therapeutic Exercises lab, Computer Lab, Medical Physics Lab and OPD.

We envision high level contribution to the community by knowledgeable and skillful Physiotherapists, experienced Teaching and Technical Staff and the Physiotherapy graduates can play their pivotal role to provide the best health care services to the patients.

RESEARCH FOCUS – KARACHI METROPOLITAN UNIVERSITY (DEPARTMENT OF PHYSIOTHERAPY)

At Karachi Metropolitan University's Department of Physiotherapy, our research endeavors are dedicated to advancing medical knowledge and enhancing patient care. Our faculty and researchers engage in cutting-edge studies across multiple critical areas, driving innovation and addressing contemporary healthcare challenges.

Key Research Focus Areas:

Biomedical Sciences: Conducting groundbreaking research in molecular biology, genetics, and cellular mechanisms to develop novel therapies and diagnostic tools for complex diseases.

Clinical Research: Leading clinical trials and observational studies to assess the efficacy and safety of new treatments, medical procedures, and physiotherapy interventions.

Public Health and Epidemiology: Investigating population health trends, disease prevention strategies, and health disparities to shape public health policies and promote community wellness.

Healthcare Technology and Innovation: Advancing healthcare informatics, medical imaging, telemedicine, and wearable devices to enhance diagnostic accuracy, treatment outcomes, and patient rehabilitation.

Health Services Research: Analyzing healthcare systems, policies, and management practices to optimize healthcare delivery, resource allocation, and patient-centered care.

Global Health Initiatives: Collaborating on international research projects to combat infectious diseases, improve maternal and child health, address non-communicable diseases, and promote sustainable health solutions worldwide.

These research initiatives reflect our commitment to excellence in medical and physiotherapy research, fostering interdisciplinary collaboration, and translating scientific discoveries into practical applications that benefit patients and communities. Our state-of-the-art research facilities, coupled with strategic partnerships with industry leaders and academic institutions, empower us to make significant contributions to advancing medical science, rehabilitation, and healthcare practice globally.



WELCOME MESSAGE OF THE PRINCIPAL

Welcome to the Department of Physical Therapy at KMU. Physical therapy is a field that transforms lives, and we are proud to be at the forefront of educating future practitioners who are skilled, compassionate, and committed to advancing the science of mobility and well-being. As Principal, I am honoured to lead a department where innovation and care go hand in hand.

Our curriculum emphasizes evidence-based practices and hands-on learning, ensuring that students are well-prepared to meet the demands of this dynamic field. We also prioritize research and community engagement, as these are critical components of delivering impactful healthcare solutions. The department provides a nurturing environment where every individual is encouraged to reach their full potential.

We invite you to join us in shaping the future of physical therapy. Together, let us strive to improve the quality of life for those in need and set new standards in healthcare education and practice.

Mission of the department:

To advance the Science and practice of Physical Therapy by preparing competent practitioners who promote mobility, health, and well-being through evidence-based care and research.

Core Objectives of Physical Therapy:

- Provide immersive, cutting-edge clinical training using advanced simulation technologies, real-time patient care, and hands-on practice in diverse settings, from hospitals to specialized clinics.
- Equip students with proficiency in emerging technologies like robotic rehabilitation, virtual reality therapy, and advanced diagnostic tools to transform modern physical therapy practices.
- Emphasize personalized, patient-centered care by training students to customize rehabilitation plans based on individual needs, ensuring better treatment outcomes and patient satisfaction.
- Develop leadership and entrepreneurial skills, enabling students to not only work in healthcare institutions but also to lead or establish their own clinics, rehabilitation centers, or innovation-driven physical therapy practices.
- Equip students with the knowledge, skills, and clinical judgment to deliver safe, evidence-based care across diverse settings through simulation-based education and hands-on practice.
- Enhance students' ability to apply analytical reasoning and decision-making skills in complex healthcare situations to ensure high-quality patient outcomes.
- Prepare students to incorporate eco-friendly practices in physical therapy, from sustainable rehabilitation approaches to minimizing waste in therapy practices, contributing to a more sustainable healthcare ecosystem.

Programs:

- DPT (Doctor of Physical Therapy)

Eligibility Criteria:

Applicants must have a minimum education of Intermediate in Pre-Medical with at least 60% marks or equivalent. Please refer to the admission criteria below for further details.

Documents Required for DPT

Application forms along with following documents must be attached in an office file:

- * Certificate of Matriculation/ O-Level or equivalent examination
- * Marks sheet / transcript of Matriculation / O-Level or equivalent examination
- * Provisional Certificate (issued by the last attending high school / college) of Intermediate (Pre-Medical) / A-Level or equivalent examination
- * Marks sheet / transcript of Intermediate (Pre-Medical) / A-level or equivalent examination
- * Candidate's Domicile
- * Candidates' PRC
- * Candidate's NADRA National Identity Card (CNIC) / B Form
- * 10 recent passport size photographs (03 photos with names attested on front and 03 on back)
- * CNIC of Father and Mother
- * Domicile of Father / Guardian

Note:

Hard copy of the above-mentioned documents in an office file to be sent on the below-mentioned address:

Admission Office

Karachi Metropolitan University

ST-2, Block M, North Nazimabad, Karachi

SCHEME OF STUDIES
DOCTOR OF PHYSICAL THERAPY
(DPT)

FIRST PROFESSIONAL YEAR	
FIRST SEMESTER	
ANATOMY –I	4(3-1)
PHYSIOLOGY-I	3(2-1)
KINESIOLOGY-I	3(2-1)
ENGLISH-I (FUNCTIONAL ENGLISH)	3(3-0)
PAKISTAN STUDIES	2(2-0)
INTRODUCTION TO COMPUTER	3(2-1)
Credit Hours	18
SECOND SEMESTER	
ANATOMY –II	4(3-1)
PHYSIOLOGY-II	3(2-1)
KINESIOLOGY-II	3(2-1)
ENGLISH-II (COMMUNICATION SKILLS)	3(3-0)
ISLAMIC STUDIES / ETHICS	2(2-0)
SOCIOLOGY	2(2-0)
Credit Hours	17
SECOND PROFESSIONAL YEAR	
THIRD SEMESTER	
ENGLISH-III (Technical Writing & Presentation Skills)	3(3-0)
MEDICAL PHYSICS	3(2-1)
ANATOMY –III	3(2-1)

PHYSIOLOGY-III	3(2-1)
BIOMECHANICS & ERGONOMICS-I	3(3-0)
BIOCHEMISTRY I	2(2-0)
Credit Hours	17
FOURTH SEMESTER	
ANATOMY-IV (Neuro Anatomy)	3(2-1)
BIOMECHANICS & ERGONOMICS-II	3(2-1)
HEALTH & WELNESS	2(2-0)
BIOCHEMISTRY II	3(2-1)

EXERCISE PHYSIOLOGY	3(2-1)
MOLECULAR BIOLOGY & GENETICS	2(2-0)
Credit Hours	16
THIRD PROFESSIONAL YEAR	
FIFTH SEMESTER	
PATHOLOGY & MICROBIOLOGY I	2(2-0)
PHARMACOLOGY & THERAPEUTICS I	2(2-0)
PHYSICAL AGENTS & ELECTROTHERAPY I	3(2-1)
THERAPEUTIC EXERCISES & TECHNIQUES	3(2-1)
BIOSTATISTICS I	3(3-0)
BEHAVIORAL SCIENCES (PSYCHOLOGY & ETHICS)	2(2-0)
SUPERVISED CLINICAL PRACTICE I	3(0-3)
Credit Hours	18
SIXTH SEMESTER	
PATHOLOGY & MICROBIOLOGY II	3(2-1)
PHARMACOLOGY & THERAPEUTICS II	2(2-0)
PHYSICAL AGENTS & ELECTROTHERAPY –II	3(2-1)
BIOSTATISTICS II (university optional)	3(3-0)
COMMUNITY MEDICINE & REHABILITATION	3(3-0)
SUPERVISED CLINICAL PRACTICE II	3(0-3)
Credit Hours	17
FOURTH PROFESSIONAL YEAR	
SEVENTH SEMESTER	
MEDICINE I	3(3-0)
SURGERY I	3(3-0)
RADIOLOGY & DIAGNOSTIC IMAGING	3(2-1)
MUSCULOSKELETAL PHYSICAL THERAPY	3(2-1)
EVIDENCE BASED PRACTICE	3(2-1)
SUPERVISED CLINICAL PRACTICE III	3(0-3)
Credit Hours	18
EIGHTH SEMESTER	
MEDICINE II	3(3-0)
SURGERY II	3(3-0)

NEUROLOGICAL PHYSICAL THERAPY	3(2-1)
SCIENTIFIC INQUIRY & RESEARCH METHODOLOGY	3(2-1)
EMERGENCY PROCEDURES & PRIMARY CARE IN PHYSICAL THERAPY	3(2-1)
SUPERVISED CLINICAL PRACTICE IV	3(0-3)
Credit Hours	18
FIFTH PROFESSIONAL YEAR	
NINTH SEMESTER	
CARDIOPULMONARY PHYSICAL THERAPY	3(2-1)
PROSTHETICS & ORTHOTICS	2(2-0)
CLINICAL DECISION MAKING & DIFFERENTIAL DIAGNOSIS	3(3-0)
MANUAL THERAPY	3(2-1)
PROFESSIONAL PRACTICE (LAWS , ETHICS & ADMINISTRATION)	2(2-0)
INTEGUMENTRY PHYSICAL THERAPY	2(2-0)
SUPERVISED CLINICAL PRACTICE V	3(0-3)
Credit Hours	18
TENTH SEMESTER	
OBSTETRICS & GYNAECOLOGICAL PHYSICAL THERAPY	2(2-0)
PAEDIATRIC PHYSICAL THERAPY	2(2-0)
GERONTOLOGY & GERIATRIC PHYSICAL THERAPY	2(2-0)
SPORTS PHYSICAL THERAPY	2(2-0)
SUPERVISED CLINICAL PRACTICE VI	4(0-4)
RESEARCH PROJECT	6
Credit Hours	18
TOTAL CREDIT HOURS	174
Total theory/Lectures for Ten Semesters	
130	
Total Practical Hours for Ten Semesters	
44	

Note *

- *This scheme of curriculum is also applicable to annual system; in which two consecutive semesters will be considered as one professional year.*
- *Credit hours distribution is as following:*

CREDIT HOURS SUMMARY

DPT Year	1 st semester Credit hours	2 nd semester Credit hours	Total credit hours
1 st	18	17	35
2 nd	17	16	33
3 rd	18	17	35
4 th	18	18	36
5 th	18	18	36
Total credit hours			175

Note:

Clinical: one credit hour shall be equal to three hours of clinical work per week throughout the semester.

Research: One credit hour shall be equal to three hours of research work per week throughout the semester.

Summary:

Doctor of Physical Therapy is based on 5 years.

Duration	5 years
Total semesters	10
Semester duration	16- 18 weeks per semester
Credit hours	135 credit hours
Number of courses per semester	4-6 including lab and practical courses

FEE STRUCTURE

DEPARTMENT OF PHYSICAL THERAPY		
Yearly Fee Structure		
BREAK DOWN	MERIT	SELF FINANCE
Admission Fees (once at the time of admission)	50,000	50,000
Tuition Fees Per Credit Hour*	3,500	4,500
Document Verification Fees (once at the time of admission)	5,000	5,000
Library Fees (per year)	5,000	5,000
Student Activity (per year)	10,000	10,000
Examination Fees (per year)	10,000	10,000

FEE STRUCTURE- OPEN MERIT

DPT Year	1ST Semester credit hours	2ND Semester credit hours	Total credit hours	Yearly tuition fees per credit hour	TOTAL FEE PAYABLE
1 st Year	18	17	35	122,500	202,500
2 nd Year	17	16	33	115,500	140,500
3 rd Year	18	17	35	122,500	147,500
4 th Year	18	17	36	126,000	151,000
5 th Year	18	18	36	126,000	151,000
TOTAL			175	612,500	792,500

FEE STRUCTURE- SELF FINANCE

DPT Year	1ST Semester credit hours	2ND Semester credit hours	Total credit hours	Yearly tuition fees per credit hour	TOTAL FEE PAYABLE
1 st Year	18	17	35	157,500	237,500
2 nd Year	17	16	33	148,500	173,500
3 rd Year	18	17	35	157,500	182,500
4 th Year	18	17	36	162,000	187,000
5 th Year	18	18	36	162,000	187,000
TOTAL			175	787,500	967,500

Please Note:

- Applicable for Batch 2025 only
- Late fees will be applicable as per University's policy

FACILITIES:

- Anatomy Labs
- Clinical Skills Labs
- Physical Therapy Labs
- Electrotherapy and Rehabilitation Equipment
- Biomechanics Lab
- Musculoskeletal Therapy Facilities
- Neurorehabilitation Labs
- Computerized Learning Resources and E-Learning Hub
- Library and Study Areas
- Student Lounge
- Gymnasium
- Auditorium
- Cafeteria
- Hostel
- Mosque