



رفاه انٹرنیشنل یونیورسٹی



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Prospectus

RIPHAH COLLEGE OF
REHABILITATION SCIENCES

Rehabilitation Sciences

The pioneer institute in Doctor of physical therapy program (DPT) and Post Professional Doctor of Physical therapy program (PP-DPT) in Pakistan.

This course will equip you to become a physiotherapist, helping patients with physical difficulties arising from illness, injury, disability or ageing. Physiotherapists promote health and wellbeing and assist rehabilitation by developing body systems – in particular the neuromuscular, musculoskeletal, cardiovascular and respiratory systems. Our aim is to provide a Rehabilitation Sciences program which will develop in its graduates, a life-long commitment to continuing education with enhanced critical reasoning and communication skills, a highly developed awareness of their ethical and professional responsibilities to individual patients and to the community, skills to cope with the challenges of medicine, both technical and humanistic, and an ability to contribute to the continuing evolution of medical knowledge.

Riphah College of Rehabilitation Sciences (RCRS)

The Riphah College of rehabilitation Sciences (RCRS) was established in 2007 under the Faculty of Health and Medical Sciences (FHMS) of Riphah International University with the aim to produce graduates of Physical Therapy and Rehabilitation professions in Pakistan according to international standards. The pioneer institute in the entry level Doctor of Physical Therapy Program (DPT) and Post professional Doctor of Physical Therapy Program (PP-DPT) in Pakistan (Equivalent to of 18 years of schooling/M. Phil as per HEC criteria). The specialized programs and continuing professional development courses in Physical Therapy have been introduced in the country. The college has two campuses, Islamabad and Lahore. The college has great contribution for the uplifting of Rehabilitation Sciences Professions by enhancing the knowledge and skills of the practicing clinicians. The college has a leading role by developing uniform DPT curriculum in the country. The director of the college was nominated as secretary of the HEC National Curriculum Revision Committee (NCRC).



Vision

“To be a Rehabilitation Sciences institute according to international standards dedicated for value based professional education with academic excellence globally”



Dr. Asghar Khan
Director RCRS

Dr. Asghar Khan holds his entry level Physical Therapy degree (BSc PT) from one of the oldest physical therapy institute "College of Physiotherapy (JPMC) University of Karachi" and he is the US Board Certified Physical therapist in Pakistan with Clinical Doctorate Degree (DPT) from one of the reputable (A.T Still university Arizona) university in USA. He has 14 years clinical experience in state of the art health institutions in USA and 5 years teaching experience in the university. He also has completed manual therapy certificate courses (Evidence based manual therapy of the spine and extremities) from Ola Grimsby institute in California USA. He came back to the country in 2007 with the intention to serve the country. He joined Riphah International University in the end of 2007 and established a state of the art Riphah College of Rehabilitation Science (RCRS) and currently he leads as Director / Associate Professor of the institute. He enriched his qualification further with a post graduate diploma in professional ethics and teaching methodology from Riphah International University, Islamabad.



Dr. Syed Shakil-ur-Rehman
Principal/Associate Professor
(Islamabad Campus)

Dr. Syed Shakil-ur-Rehman is Associate Professor at Riphah College of Rehabilitation Sciences (RCRS) and also serves as Principal of RCRS, Islamabad Campus. At present he is pursuing his doctorate in Physical Therapy at the University of Lahore with focusing his research on the impact of supervised structured aerobic exercise training on insulin resistance in type-2 diabetes mellitus. He did his MS in Musculoskeletal physical therapy in 2005 from Ziauddin Medical University Karachi and successfully completed his post professional doctor of physical degree (equivalent to M.Phil by HEC) in 2011 from Riphah International University. Dr. Shakil also did his PGD in professional Ethics and Teaching methodology in 2009 at Riphah International University.

He has got an extensive academic and clinical experience in the arena of Physical Therapy and Rehabilitation that spans around a decade. He taught physical therapy and rehabilitation at Ziauddin Medical University Karachi, Baqi Medical University Karachi and Riphah International University Islamabad. Besides teaching, Dr. Shakil has also got an experience in conducting and supervising research studies to the senior students of the discipline. He is credited with 30 research papers published in HEC and PMDC recognized research Journals besides supervising as many as 32 MS/ M.Phil theses. His major research interest includes identifying the long term effects of exercise on the human body in different disease conditions.

Doctor of Physical Therapy (DPT)

The first professional degree in physical therapy endorsed by the Higher Education Commission of Pakistan (HEC) comprises of 5 years (10 semesters), equivalent to 17 years of schooling. The degree program will produce physical therapy professionals who will be titled as Doctors of Physical Therapy and will be competent to diagnose and treat movement dysfunctions due to injuries or diseases by using all physical means including; manual therapy techniques, exercise therapy, electrotherapy and preventative and corrective measures. Physical Therapists with the DPT degree will be practitioners of choice to whom public will have direct access for the diagnosis of, interventions for, and prevention of impairments, activity limitations, participation restrictions, and environmental barriers related to movement, function, and health.

This degree program include foundational science courses, such as anatomy, physiology, histology, exercise physiology, neuroscience, biomechanics, pharmacology, pathology, and radiology / imaging, along with behavioral science courses, such as evidence-based practice and clinical reasoning. In this degree program the students also study the clinically-based courses include medical screening, examination tests and measures, diagnostic process, therapeutic interventions, outcomes assessment, and practice management. The DPT degree is quite different from the four years BS, PT degree in terms of curriculum, duration of study and scope of clinical practice. The DPT degree also fulfills the international requirements for physical therapy education, so the DPT graduates could get equivalency easily abroad.

Eligibility Criteria:

Minimum 50% marks in intermediate (FSc/ALevels) with pre-medical subjects, from a recognized board/university/institute. Degree holders from foreign institutes should submit the equivalence certificate from Inter Board Committee of Chairmen (IBCC).

Duration:

5 years

Available Seats:

Girls Campus : 50 seats per semester

Boys Campus : 30 seats per semester

Selection Criteria:

- Candidates are required to take the entry test & interview.
- Test score of centrally held entrance test by federal or provincial governments, such as UHS test is acceptable.

- NTS-NAT is acceptable but not mandatory for admission in DPT.
- F.Sc 70%
- Test 30%

Interview:

The students finally selected will be interviewed for personality and aptitude for the Physical Therapy education / profession.

Class Timings:

8:00 am to 4:00 pm (Monday to Thursday)

8:00 am to 12:00pm (Friday)

List of Courses

- Anatomy • Physiology
- Kinesiology-I • English
- Pakistan Studies • Biostatistics
- Exercise Physiology • Medical Physics
- Medicine • Surgery
- Islamic Studies / Ethics • Sociology
- Introduction to Revealed Sciences
- Introduction to Computer
- Biomechanics & Ergonomics
- Biochemistry & Genetics
- Behavioral Sciences (Psychiatry & Psychology)
- Pathology & Microbiology
- Physical Agents & Electrotherapy
- Therapeutic Exercises & Techniques
- Health & Wellness • Manual Therapy
- Supervised Clinical Practice
- Health Education & Teaching Methodology
- Community Medicine • Pharmacology
- Radiology & Diagnostic Imaging
- Musculoskeletal Physical Therapy
- Special Education & Community Based Rehabilitation
- Neurological Physical Therapy
- Evidence Based Practice
- Prosthetics & Orthotics
- Cardiopulmonary Physical Therapy
- Clinical Decision Making & Differential Diagnosis

Scheme of Studies for 5 Years

1st Semester

Course Code	Name of Subject	Credits Hours
DPAN614	Anatomy -I	4(3-1)
DPPH613	Physiology-I	3(2-1)
DPKI613	Kinesiology-I	3(2-1)
DPEN613	English-I	3(3-0)
DPPS612	Pakistan Studies	2(2-0)
DPBI613	Biostatistics-1	3(3-0)
	Total Credit Hours	18

2nd Semester

Course Code	Name of Subject	Credits Hours
DPAN624	Anatomy -II	4(3-1)
DPPH623	Physiology-II	3(2-1)
DPKI623	Kinesiology-II	3(2-1)
DPEN623	English-II	3(3-0)
DPIS612	Islamic Studies / Ethics	2(2-0)
	Biostatistics-II/University Optional	3(3-0)
	Total Credit Hours	18

3rd Semester

Course Code	Name of Subject	Credits Hours
DPRN633	English-III	3(3-0)
DPCO613	Introduction to Computer	3(2-1)
DPAN633	Anatomy -III	3(2-1)
DPPH633	Physiology-III	3(2-1)
DPBE613	Biomechanics & Ergonomics-I	3(3-0)
DPBG613	Biochemistry & Genetics I	3(3-0)
	Total Credit Hours	18

4th Semester

Course Code	Name of Subject	Credits Hours
DPAN643	Anatomy-IV	3(2-1)
DPBE623	Biomechanics & Ergonomics-II	3(2-1)
DPBS613	Behavioral Sciences (Psychiatry & Psychology)	3(3-0)
DPBG623	Biochemistry & Genetics-II	3(2-1)
DPEP643	Exercise Physiology	3(3-0)
DPMP613	Medical Physics	3(2-1)
	Total Credit Hours	18

5th Semester

Course Code	Name of Subject	Credits Hours
DPPM612	Pathology & Microbiology I	2(2-0)
DPPR613	pharmacology I	3(3-0)
DPPE613	Physical Agents & Electrotherapy-I	3(2-1)
DPTE613	Therapeutic Exercises & Techniques I	3(2-1)
DPSO612	Sociology	2(2-0)
DPHW613	Health & Wellness	3(3-0)
DPPC612	Supervised Clinical Practice I	2(0-2)
	Total Credit Hours	18

6th Semester

Course Code	Name of Subject	Credits Hours
DPPM623	Pathology & Microbiology II	3(2-1)
DPPR623	Pharmacology II	3(3-0)
DPPE623	Physical Agents & Electrotherapy-II	3(2-1)
DPTE623	Therapeutic Exercises & Techniques II	3(2-1)
DPHE612	Health Education & Teaching Methodology	2(2-0)
DPCM612	Community Medicine	2(2-0)
DPCP622	Supervised Clinical Practice II	2(0-2)
	Total Credit Hours	18



7th Semester

Course Code	Name of Subject	Credits
DPME613	Medicine I	3(3-0)
DPSU613	Surgery I	3(3-0)
DPRD613	Radiology & Diagnostic Imaging	3(2-1)
DPMU614	Musculoskeletal Physical Therapy	4(3-1)
DPSE612	Special Education & Community Based Rehabilitation	2(2-0)
DPCP632	Supervised Clinical Practice III	2(0-2)
	Total Credit Hours	17

8th Semester

Course Code	Name of Subject	Credits Hours
DOME623	Medicine II	3(3-0)
DPSU623	Surgery II	3(3-0)
DPNE614	Neurological Physical Therapy	4(3-1)
DPEB613	Evidence Based Practice	3(2-1)
DPPO613	Prosthetics & Orthotics	3(2-1)
DPCP642	Supervised Clinical Practice IV	2(0-2)
	Total Credit Hours	18

9th Semester

Course Code	Name of Subject	Credits Hours
DPCA613	Cardiopulmonary Physical Therapy	3(2-1)
DPMT613	Manual Therapy	3(2-1)
DPCD613	Clinical Decision Making & Differential Diagnosis	3(3-0)
DPRM613	Research Design and Methodology	3(2-1)
DPPP612	Professional Practice (Laws, Ethics, Administration)	2(2-0)
DPIN612	Integumentary Physical Therapy	2(2-0)
DPCP652	Supervised Clinical Practice V	2(0-2)
	Total Credit Hours	18

10th Semester

Course Code	Name of Subject	Credits Hours
DPGO612	Gynaecology & Obstetrics Physical Therapy	2(2-0)
DPPA612	Paediatric Physical Therapy	2(2-0)
DPGE612	Geriatric Physical Therapy	2(2-0)
DPSP612	Sports Physical Therapy	2(2-0)
DPEP612	Emergency Procedures	2(2-0)
DPCP662	Supervised Clinical Practice VI	2(0-2)
DPRP616	Research Project	6
	Total Credit Hours	18
	Total Credit Hours- DPT	179



Master of Science in Orthopedic Manual Physical Therapy (MS-OMPT)

Goals of the Program:

There are many under graduate programs and few master programs, but not a single specialized program in any area of physical therapy in the country according to international standards, so the MS-OMPT will be the first specialized program which is a dire need in the country to have specialized programs which will produce specialized physical therapists who will be Certified Manual Therapy Specialists. They will be able:

1. To provide specialized physical therapy care.
2. To serve as responsible members in the professional community and are willing and able to assume leadership roles in the communities they serve.
3. To identify researchable problems, advocate and participate in research, and incorporate research findings into clinical practice.
4. To understand and place in context the social, economic and cultural issues of practice and effectively advocate for changes in policy
5. To apply different techniques of manual therapy in a safe and effective manner.
6. To adopt only those manual techniques which are evidence based.
7. To know the methods of diagnosis and classification of disorders in relation to indications for manual therapy treatment.

Detail description of the program:

Duration:

Two years, full time, 31 Credit Hours course work + 5 Credit Hours Residency + 6 Credit Research (Thesis).

Level: Postgraduate

Eligibility:

1. Doctor of physical Therapy (DPT-5 years from any HEC Recognized University or equivalent qualification.
2. NTS test GAT-GERNAL 50 % score

Course: Semester Based (4-Semesters) duration (18-weeks each)

Credit Hours: 42- credit Hours

Course Description:

This program provides students with an advanced level of skills in planning and implementing appropriate manual therapy treatment programs and build ups a high level of competence in the application of passive treatment techniques

for articular and associated structures. Main focus of the program to determine the impact of research evidence in relation to the management of musculoskeletal disorders and how this may impact on treatment prescription in the individual case. Specific importance is given to determining indications for treatment, treatment prescription and progression, and determining prognosis and response to treatment. The program includes clinical placements where students will have the opportunity to develop clinical examination and treatment methods under the supervision of experienced and certified manual physical therapists. Students will become familiar with methods of treatment outcome evaluation and their role in manual therapy practice.

Assessment Criteria/Plan

- Sessional Exam after 8 weeks
- Final semester Exam after 18 weeks

Subjects with theory, viva and practical

- a) Theory paper : 50-100 MCQs : Marks =100
- b) Duration of paper : 1- 2 hours

Assessment Criteria:

- a) Assignments: 10%
- b) Sessional Exam: 30%
- c) Final Exam : 40 %
- d) Viva & practical(Clinical Exam): 20 %

Subjects only have theory papers:

- a) Theory paper : 50-100 MCQs : Marks 100
- b) Duration of paper : 1- 2 hours

Assessment Criteria:

- a) Assignments: 10%
- b) Sessional Exam: 40%
- c) Final Exam : 50%

Residency Exam:

- a) Clinical Exam-Total Marks 100
- b) Case Evaluation : 40%
- c) Treatment session Observation: 40%
- d) Viva 10 questions : 20%
- e) Cumulative 60% = pass

Grading System:

S.No	Letter Grade	Grade Point Value	Numerical Grade (%)
1.	A	4.0	80% to 100%
2.	B	3.0	70% to 79.9%
3.	C	2.0	60% to 69.9%
4.	D	0	Below 60% considered FAIL

Detailed Contents:

Break down of Semesters with subject codes & credit hours

1st Semester

Subject Code	Courses	Credit Hours
MSEb-713	Evidence Based Practice in Rehabilitation	3(2+1)
MSQR-723	Quantitative Research Methods & Design in Rehabilitation	3(3+0)
MSPP-733	Professional Practice in Physical Therapy	3(3+0)
MSDD-743	Differential Diagnosis in Rehabilitation	3(2+1)
	Total Credit Hours	12

2nd Semester

Subject Code	Courses	Credit Hours
MSHC-753	Manual Therapy (History & Concepts)	3(3+0)
MSMT-763	Manual Therapy Techniques - 1	3(2+1)
MSCS-773	Clinical Sciences-I Joint Structure, Physiology & Response to Injury	2(1+1)
MSCS-783	Clinical Sciences-II Skeletal Muscle and Tendon	2(1+1)
	Total Credit Hours	10

3rd Semester

Subject Code	Courses	Credit Hours
MSCS-793	Clinical Sciences-III Pathoanatomy & Mechanics of the Vertebral Column	3(2+1)
MSMT-7103	Manual Therapy Techniques-II Joint Mobilization & Manipulation (Upper & Lower extremities)	3(2+1)
MSMT-7113	Manual Therapy Techniques-III Spinal Mobilization & manipulation including cervical, thoracics and lumbar regions	3(2+1)
	Total Credit Hours	09

4th Semester

Subject Code	Courses	Credit Hours
MSRD-7125	Residency	5(0+3)
MSTP-7136	Terminal Project	06
	One article is required to be published on the topic of research for the completion of the terminal project	
	Total Credit Hours	11
	Total Credit Hours- MS OMPT	42



Master of Science in Neuro Muscular Physical Therapy (MS-NMPT)

Goals of the Program:

There are many under graduate programs and few master programs, but not a single specialized program in any area of physical therapy in the country according to international standards, so the MS-OMPT will be the first specialized program which is a dire need in the country to have specialized programs which will produce specialized physical therapists who will be Certified Manual Therapy Specialists. They will be able:

1. To provide specialized physical therapy care.
2. To serve as responsible members in the professional community and are willing and able to assume leadership roles in the communities they serve.
3. To identify researchable problems, advocate and participate in research, and incorporate research findings into clinical practice.
4. To understand and place in context the social, economic and cultural issues of practice and effectively advocate for changes in policy
5. To apply different techniques of manual therapy in a safe and effective manner.
6. To adopt only those manual techniques which are evidence based.
7. To know the methods of diagnosis and classification of disorders in relation to indications for manual therapy treatment.

Detail description of the program:

Duration: Two years, full time, 31 Credit Hours course work + 5 Credit Hours Residency + 6 Credit Research (Thesis).

Level: Postgraduate

Eligibility: 1. Doctor of physical Therapy (DPT- 5 years from any HEC Recognized University or equivalent qualification.

2. NTS test GAT-GERNAL 50 % Score

Course: Semester Based (4-Semesters) duration (18-weeks each)

Credit Hours: 42- credit Hours

Program Description:

This program provides students with an advanced level of skills in planning and implementing appropriate Neuromuscular Physical therapy treatment programs and build ups a high level of competence in the application of passive treatment techniques for neural and associated structures. Main focus of the program would be to determine the impact of

research evidence in relation to the management of neuro muscular disorders and how this may impact on treatment prescription in the individual case. Specific importance is given to determine indications for treatment, treatment prescription, progression, and determining prognosis and response to treatment. The program includes clinical placements where students will have the opportunity to develop clinical examination and treatment methods under the supervision of experienced and certified Neuromuscular Physical therapists. Students will become familiar with methods of treatment outcome evaluation and their role in Neuromuscular Physical therapy practice.

Assessment Criteria/Plan

1. Sessional Exam after 8 weeks
2. Final semester Exam after 18 weeks

Subjects with theory, viva and practical

1. Theory paper : 50-100 MCQs : Marks =100
2. Duration of paper: 1-2 hours

Assessment Criteria:

Assignments:	10%
Sessional Exam:	30%
Final Exam :	40 %
Viva & practical(Clinical Exam):	20 %

Subjects only have theory papers:

Theory paper : 50-100 MCQs:	Marks= 100
Duration of paper:	1-2 hours

Assessment Criteria:

Assignments:	10%
Sessional Exam:	40%
Final Exam:	50%
Residency exam: Clinical Exam- Total Marks	100
Case Evaluation:	40%
Treatment session Observation:	40%
Viva 10 questions :	20%
Cumulative 60%	= Pass

Grading System:

S.No	Letter Grade	Grade Point Value	Numerical Grade (%)
1.	A	4.0	80% to 100%
2.	B	3.0	70% to 79.9%
3.	C	2.0	60% to 69.9%
4.	D	0	Below 60% considered FAIL

Detailed Contents:

Break down of Semesters with subject codes & credit hours

1st Semester

Subject Code	Courses	Credit Hours
MSEB-713	Evidence Based Practice in Rehabilitation	3(2+1)
MSQR-723	Quantitative Research Methods & Design in Rehabilitation	3(3+0)
MSPP-733	Professional Practice in Physical Therapy	3(3+0)
MSDD-743	Differential Diagnosis in Rehabilitation	3(2+1)
Total Credit Hours		12

2nd Semester

Subject code	Courses	Credit Hours
MSAA-753	Clinical Neuro Sciences (neuro anatomy, physiology and patho physiology)	2(2+0)
MSNA-763	Neurological Assessment and Diagnostic Approaches	3(2+1)
MSHC-773	History and concepts in Neuro rehabilitation	2(2+0)
MSNM-783	Principles of Neuromuscular Management	3(2+1)
Total Credit Hours		10

3rd Semester

Subject Code	Courses	Credit Hours
MSPN-792	Pediatric Neurological Rehabilitation	3-(2+1)
MSAN-7102	Adult Neurological Rehabilitation	3-(2+1)
MSSM-7112	Spinal Cord Injury Management	3-(2+1)
Total Credit Hours		09

4th Semester

Subject code	Courses	Credit Hours
MSRP-7125	Residency Program (one week in each month)	5 (4 weeks)
MSTP-7136	Terminal Project	6
	One article is required to be published on the topic of research for the completion of the terminal project	
Total Credit Hours		11
Total Credit Hours (MS-NMPT)		42



Master of Science in Cardiopulmonary Physical Therapy (CPPT)

Goals of the Program:

This course enables graduates to develop the theoretical, practical, analytical and evaluative skills necessary to become a cardiopulmonary physical Therapist. The purpose is to produce postgraduate physiotherapists who are skilled, independent, critical, analytical and evaluative, who can contribute to the health and wellbeing of the individual and of society. Graduates from the course will be distinctive in their ability to synthesize evidence from current practice and research to develop an in-depth critical knowledge and understanding of the cardiopulmonary Physical therapy profession. Furthermore they will be able to demonstrate a critical awareness of current issues within the provision of health and social care and will be capable of demonstrating leadership in both personal and professional development.

They will be able:

1. To provide specialized physical therapy care.
2. To serve as responsible members in the professional community and are willing and able to assume leadership roles in the communities they serve.
3. To identify researchable problems, advocate and participate in research, and incorporate research findings into clinical practice.
4. To understand and place in context the social, economic and cultural issues of practice and effectively advocate for changes in policy
5. To apply different techniques of Cardiopulmonary in a safe and effective manner.
6. To focus only on Evidence based Approach
7. To know the methods of diagnosis and classification of disorders in relation to indications for cardiopulmonary physical therapy treatment.

Detail description of the program:

Duration: Two years, full time, 31 Credit Hours course work + 5 Credit Hours, Residency + 6 Credit Research (Thesis).

Level: Postgraduate

Eligibility:

1. Doctor of physical Therapy (DPT-5 years from any HEC Recognized University or equivalent qualification.
2. NTS test GAT-GERNAL 50 % score

Course: Semester Based (4-Semesters) duration (18-weeks each)

Credit Hours: 42- credit Hours

Program Description: This course is designed to prepare the students to effectively manage patients with cardiovascular or pulmonary impairments and disability. Emphasis is placed on the components of physical therapy practice - screening, examination, evaluation, diagnosis, prognosis, development of a plan of care, intervention, and outcomes assessment

and evaluation. The interrelationship of other health care professionals into the team care of patients will be discussed. The majority of this course will integrate cardiopulmonary pathology and treatment principles with the multi-systems concept of patient management in all areas of physical therapy - neurology, acute care, pediatrics, orthopedics. Application of the following concepts is included: communication, individual & cultural differences, professional behavior, critical inquiry and clinical decision-making, patient/family education, and management of care delivery. Course material is often integrated into patient case studies. The course incorporates lecture, small group case discussions, self-study assignments, and clinical labs/simulations. The case study approach allows students to be more active in the learning process and emphasizes problem solving and integration of knowledge. Individual student preparation is essential for each laboratory and Workshop session.

Assessment Criteria/Plan

1. Sessional Exam after 8 weeks
2. Final semester Exam after 18 weeks

Subjects with theory, viva and practical

Theory paper : 50-100 MCQs : Marks =100

Duration of paper : 1- 2 hours

Assessment Criteria:

Assignments: 10%
Sessional Exam: 30%
Final Exam : 40 %
Viva & practical(Clinical Exam): 20 %

Subjects only have theory papers:

Theory paper : 50-100 MCQs : Marks 100

Duration of paper : 1- 2 hours

Assessment Criteria:

Assignments: 10%
Sessional Exam: 40%
Final Exam : 50%

Residency exam: Clinical Exam- Total Marks 100

1. Case Evaluation: 40%
2. Treatment session Observation: 40%
3. Viva 10 questions: 20%

Cumulative 60% = pass

Grading System:

S.No	Letter Grade	Grade Point Value	Numerical Grade (%)
1.	A	4.0	80% to 100%
2.	B	3.0	70% to 79.9%
3.	C	2.0	60% to 69.9%
4.	D	0	Below 60% considered FAIL

Detailed Contents:

Break down of Semesters with subject codes & credit hours

1st Semester

Subject Code	Courses	Credit Hours
MSEB-713	Evidence Based Practice in Rehabilitation	3(2+1)
MSQR-723	Quantitative Research Methods & Design in Rehabilitation	3(3+0)
MSPP-733	Professional Practice in Physical Therapy	3(3+0)
MSDD-743	Differential Diagnosis in Rehabilitation	3(2+1)
	Total Credit Hours	12

2nd Semester

Subject Code	Courses	Credit Hours
CPTCS-752	Clinical Sciences: (applied anatomy, physiology, pathophysiology & pharmacology of cardiovascular and pulmonary system)	2(2+0)
CPTCP-762	Clinical Exercise Physiology	2(2+0)
CPTAD-773	Cardiopulmonary Assessment and Diagnostics	3(2+1)
CPTCR-783	Cardiopulmonary Rehabilitation-I (acute care)	3(2+1)
	Total Credit Hours	10

3rd Semester

Subject Code	Courses	Credit Hours
CPTCR-793	Cardiopulmonary Rehabilitation-II (Advance care)	3(2+1)
CPTIC-7103	Intensive Care Physical Therapy Management	3(2+1)
CPTEP-7113	Emergency Care Physical Therapy	3(2+ 1)
	Total Credit Hours	09

4th Semester

Subject Code	Courses	Credit Hours
CPTCP-7125	Clinical Practice	5 Residency program (4 weeks)
CPTTP-7136	Terminal Project	6
	One article is required to be published on the topic of research for the completion of the terminal project	
	Total Credit Hours	11
	Total Credit Hours (MS-CPPT)	42



Master of Science in Speech Language Pathology (MS SLP)

Goals of the Program:

The aim of Speech-Language Pathology program is to produce graduates in the country of a master level who will be competent to identify, assess, evaluate, manage, treat, educate and help to prevent language, speech, voice, fluency, cognitive, and other related communication disorders and swallowing problems. This degree program will cover communication disorders due to neurological disorders, hearing impairment, language learning disabilities, cerebral palsy, developmental delay, autism, cleft palate, brain injuries, feeding and swallowing difficulties.

Eligibility for Admission:

- BS/M.Sc Behavioral Sciences, BS/MSc (Health & Medical Sciences), 4 year Bachelor/MA Social & management sciences or equivalent qualification from any HEC recognized university minimum unadjusted 50% marks.
- Transcripts from all professional and post professional degree programs.
- Completion of an academic institution application.
- GAT-Graduate Admission Test by NTS at least 50% score

Assessment Criteria/Plan

1. Sessional Exam after 7 weeks
2. Final semester Exam after 18 weeks

Subjects with theory, viva and practical:

Theory paper : 100% MCQs marks =100
Duration of paper = 2 hours

Assessment Criteria:

Assignments (Class tests, quizzes, case studies) = 10%
Sessional Exam = 30%
Final Exam = 40
Viva & practical = 20 %
Cumulative 60% = pass

Subjects only have theory papers:

Theory paper : 100% MCQs marks 100
Duration of paper = 2 hours

Assessment Criteria:

Assignments (Class tests, quizzes, case studies) = 10%
Sessional Exam = 40%
Final Exam = 50%
Cumulative 50% = pass

Clinical Exam: Total Marks 100

Case Evaluation: 40%
Treatment session Observation: 40%
Viva 10 questions : 20%

Cumulative: 60% = pass

Grading System:

S.No	Letter Grade	Grade Point Value	Numerical Grade (%)
1.	A	4.0	80% to 100%
2.	B	3.0	70% to 79.9%
3.	C	2.0	60% to 69.9%
4.	D	1.5	50% to 59.9%
5.	E	0	Below 50% considered FAIL



Detailed Contents:

Break down of Semesters with subject codes & credit hours

First Semester

Course Code	Subjects	Credit Hours
SLPSL714	Speech and Language Science <ul style="list-style-type: none"> • Phonetics (Speech Production & Perception) • Linguistics • Language 	4 (4+0)
SLPBS-713	Biomedical Sciences 1 <ul style="list-style-type: none"> • Introduction to speech & hearing science • Introductory Neurology 	3 (2+1)
SLPCD-713	Child development, Speech development and Language acquisition	3 (2+1)
SLPSD713	Speech disorders 1, Fluency disorders, Articulation disorders	3 (2+1)
SLPNB-713	Neural Bases of Speech / Language and Hearing	3 (2+1)
Total Credit Hours		16

Third Semester

Course Code	Subjects	Credit Hours
SLPSD723	Speech Disorders 2 <ul style="list-style-type: none"> • Voice and Voice Disorders 	3 (2+1)
SLPRA714	Rudiments of Audiology	4 (3+1)
SLPAA713	Augmentative and Alternative communication devices Sign Language	3 (2+1)
SLPRM713	Research Methodology <ul style="list-style-type: none"> • Introduction to research • Types of research • Quantitative research • Research in speech & hearing sciences 	3 (3+0)
SLPCD723	Clinical decision making & Planning effective Treatment	3 (2+1)
SLPLD712	Learning disabilities	2(2+0)
Total Credit Hours		18

Second Semester

Course Code	Subjects	Credit Hours
SLPLD713	Language Disorders in Children Communication & Behavior Disorders	3 (2+1)
SLPSM712	Speech / language in multicultural population	3(3+0)
SLPBS723	Biomedical Sciences 2 Speech disorders (developmental and structural disorders) Hearing disorders (development & disorders)	3 (2+1)
SLPEB713	Evidence based practice	3 (2+1)
SLPCD713	Clinical decision making & Planning effective Treatment Observation, History Taking and Initial Evaluation	3 (2+1)
SLPCP713	Clinical Psychology	3(3+0)
Total Credit Hours		18

Fourth Semester

Course Code	Subjects	Credit Hours
SLPDY713	Dysphagia Swallowing issues in geriatric population Swallowing issues in tracheostomy Organic Swallowing problems	3 (3+0)
SLPAN713	Adult Neurogenic Communication Disorders(Aphasia)	3 (2+1)
SLPMS713	Motor Speech Disorders	3(2+1)
SLPAC713	Advanced clinical practicum	3 (0+3)
SLPRP716	Research project /Thesis	6 (6+0)
Total Credit hours		18
Total credit hours MS(SLP)		70

Master of Science in Sports Physical Therapy (MS-SPT)

Goals of the Program:

There are many under graduate programs and few master programs, but not a single specialized program in any area of physical therapy in the country according to international standards, so the MS-SPT will be the first specialized program which is a dire need in the country to have specialized programs which will produce specialized physical therapists who will be Certified Exercise and Sports Rehabilitation Specialists. They will be able:

1. To provide specialized physical therapy care.
2. To serve as responsible members in the professional community and are willing and able to assume leadership roles in the communities they serve.
3. To identify researchable problems, advocate and participate in research, and incorporate research findings into clinical practice.
4. To understand and place in context the social, economic and cultural issues of practice and effectively advocate for changes in policy
5. To apply different techniques of sports therapy in a safe and effective manner.
6. To adopt only those manual techniques, used in sports, which are evidence based.
7. To know the methods of diagnosis and classification of disorders in relation to indications for sport therapy treatment.

Detail description of the program:

Duration: Two years, full time, 30 Credit Hours course work + 6 Credit Hours Residency + 6 Credit Research (Thesis).

Level: Postgraduate

Eligibility:

1. Doctor of physical Therapy (DPT-5 years from any HEC Recognized University or equivalent qualification.
2. NTS test GAT-GERNAL 50 % score

Course: Semester Based (4-Semesters) duration (18-weeks each)

Credit Hours: 42- credit Hours

Description of the Master of Science in Sports

Physical Therapy (MS-SPT) Program:

This program provides students with an advanced level of skills in planning and implementing appropriate Sports Rehabilitation treatment programs and build ups a high level of competence in the application of passive treatment techniques for articular and associated structures. Main focus of the program to determine the impact of research evidence relation to the management of musculoskeletal disorders and how this may impact on treatment prescription in the individual case. Specific importance is given to determining indications for treatment, treatment prescription and progression, and determining prognosis and response to treatment. The program includes clinical placements where students will have the opportunity to develop clinical examination and treatment methods under the supervision of experienced and certified sports physical therapists. Students will become familiar with methods of treatment outcome evaluation and their role in sports therapy practice.

Grading System:

S.No	Letter Grade	Grade Point Value	Numerical Grade (%)
1.	A	4.0	80% to 100%
2.	B	3.0	70% to 79.9%
3.	C	2.0	60% to 69.9%
4.	D	0	Below 60% considered FAIL



Detailed Contents:

Break down of Semesters with subject codes & credit hours

1st Semester

Subject Code	Courses	Credit Hours
MSEB-712	Evidence based Practice and Clinical Reasoning	3(2+1)
MSRM-722	Research Methodology in Rehabilitation	3
MSPP-732	Professional Ethics and Practice Management	3
MSCD-742	Clinical Decision Making and Diagnosis in Physical Therapy	3
	Total Credit Hours	12

2nd Semester

Subject Code	Courses	Credit Hours
SPTEC-753	Advanced Exercise and cardiovascular Testing	3(2+1)
SPTBE-763	Biomechanics and ergonomics	2
SPTSR-773	Sports Injuries and rehabilitation	3 (2+1)
SPTEP- 783	Exercise Physiology	2
	Total Credit Hours	10

3rd Semester

Subject Code	Courses	Credit Hours
SPTAP-793	Advanced Exercise Physiology	3
SPTMC-7103	Medical Conditions in Sports Persons	3 (2+1)
SPTTP-7113	High Training Performance for sports	3 (2+1)
	Total Credit Hours	9

4th Semester

Subject Code	Courses	Credit Hours
SPTRP-7124	Residency program	5 Residency program (5 weeks)
SPTTP-7136	Terminal Project	6
	One article is required to be published on the topic of research for the completion of the terminal project	
	Total Credit Hours	11
	Total Credit Hours (MS-SPT)	42



Dress Code

Summer Uniform DPT:

Male

- Sky blue shirt with full sleeves and collar with front pocket
- Steel gray neck tie (optional)
- Steel gray Dress pant
- Black Shoes with black socks
- White Coat

Female

- Swan white shalwar qamees with full sleeves, no slite and ban collar (qamees length should extend 2 inches below the knees)
- Black shoes
- White socks
- Sky blue scarf of specified size to fully cover the head, neck and body
- White coat

* In addition to this, girls can wear Abaya that may be white / black (Plain).

Winter Uniform DPT:

Male

- Sky blue shirt with full sleeves and collar with front pocket
- Steel gray neck tie (optional)
- Steel gray Dress pant
- Black Shoes with black socks
- White Coat
- Steel gray sweater/single breast blazer

Female

- Swan white shalwar qamees with full sleeves, no slite and ban collar (qamees length should extend 2 inches below the knees)
- Black shoes
- White socks
- Sky blue scarf of specified size to fully cover the head, neck and body
- White coat
- Steel gray sweater/single breast blazer

* In addition to this, girls can wear Abaya that may be white / black (Plain).

Dress Code for PP-DPT/MS-OMPT/MS-SLP:

- Proper dress for both male and female students. Baggy pants, jeans, jackets and joggers are not allowed. For female students scarf of specified size to fully cover the head, neck and body
- In addition to this, girls can wear abaya that may be Black/White (Plain).



Faculty Members

Asgar Khan

Associate Professor/ Director
BSc, PT, DPT (USA). PGD (PETM),
PhD Scholar (USA)

Syed Shakil ur Rehman

Associate Professor/ Principal
BS PT, MS (MSKPT), DPT(Post
Professional), PGD (PETM), PhD
Scholar (UOL)

Arshad Nawaz Malik

Associate Professor/HOD Clinical
BS-PT, PP-DPT, PhD*

Ayesha Butt

Associate Professor/HOD-SLP
MSc (Language Pathology), MA
(Linguistics and Child language),
UK, PhD (Malaysia)

Abdul Ghafoor

Assistant Professor/HOD-Boys
BSPT, PP-DPT, PGD, MS-OMPT, PhD*

Imran Amjad

Assistant Professor/A. D RARE
BSPT, PP DPT, Mphil Physiology,
PhD*

Shakeel Ahmed

Assistant Professor/HOD-PG
Programs & Editor JRCRS

Huma Riaz

Assistant Professor/IC-Tarbiya
BS PT, PP DPT

Mubeen Mustafa

Assistant Professor/IC Exam Affairs
M. Phil Biochemistry (Ph.D. Enrolled)

Mirza Obaid Baig

Assistant Professor/IC QEC
BS PT, MS NMPT

Sumaiyah Ansari

Assistant Professor/IC
Extracurricular
BS PT, MS NMPT

Humaira Shamim

Assistant Professor
MS-SLP, PhD Scholar

Ibad Ullah

Senior Lecturer
BSPT, PPDPT, MSSPT

Syed Ali Hussain

Senior Lecturer
BSPT, MSOMPT

Soabah Waseem

Senior Lecturer
BDS, MS-SLP (USA)

Irum Nawaz

Senior Lecturer
MS-SLP

Arooba Saeed

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BS PT, PP DPT, MS NMPT

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Lecturer
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Misbah Ghous

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Amna Yaseen

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DPT-MSNMPT

Sharif Ullah

Lecturer
DPT-MSOMPT

Irum Yaqoob

Lecturer
DPT-MSNMPT

Mehvish Wasim

Lecturer
DPT-MSCPPT

Rabia Zubair

Lecturer
MS-SLP

Dr. Aqsa

Demonstrator
DPT, MS OMPT

Muhammad Asher Rafi

Demonstrator
DPT, MS NMPT

Qurrat Ul Ain

Demonstrator
DPT, MS NMPT

Shafaq Shahid

Demonstrator
DPT, MS OMPT

Nauman Sadiq

Demonstrator
BS PT, MS SPT

Tahir Ramzan

Demonstrator
DPT, MS CPPT

Students Activities, Workshops & Conferences



ISLAMABAD / RAWALPINDI

Islamabad Main Campus:

Sector I-14,
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Phone: +92 (51) 844 6000-7

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+92 (51) 8108 793-5

Fax: +92 (51) 289 0690

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Phone: +92 (51) 843 8376

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Rawalpindi Campus:

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Fax: +92 (51) 512 5170

RIPHAH WISH Campus Islamabad:

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H-8/2, Islamabad.

Phone: +92 (51) 492 2161-5

IIMCT Railway Hospital:

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Phone: +92 (51) 548 1826-9

LAHORE

Lahore Main Campus:

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Chowk, Township, Lahore.

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Fax: +92 (42) 315 26116

Lahore Campus-II:

Raiwind Road Campus,
12-Km, Raiwind Road, Lahore.

Phone: +92 (42) 3111 747424

Lahore Campus-III:

Industrial Estate Campus
28-M, Quaid-e-Azam, Industrial
Estate, Kot Lakhpat, Lahore.

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FAISALABAD

Faisalabad Campus:

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Faisalabad.

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UAE

UAE Campus:

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