
Umm Al-Qura University
College of Applied Medical Sciences
Department of Physical Therapy

# Master's Program Handbook
# Academic Year 2021-2022

## *Welcome to the Department of Physical Therapy*

**Dear Students,**

Over the past decade, we have been striving to make a difference in the physical therapy profession locally through our educational programs that aims to prepare you to be skilled professionals in physical therapy practice.

As an educational department, our priority is to create a supportive learning environment for you to facilitate your learning experience. Additionally, we are keen to nurture you to become leaders not only in your professional careers upon graduation but also productive members of our society.

My colleagues and I take pride in teaching and mentoring our students and thus we strive to make a difference in your experience at our department.

Wishing you a joyful learning experience in our master of physical therapy program.

Sincerely,

**Dr. Mohammed Alghamdi**

**Head of Physical Therapy Department**

## Table of Contents

# GENERAL INFORMATION

## Umm Al-Qura University Mission

The University of Umm Al-Qura founded in 1950, is one of the most distinguished universities due to its location and noble origin. The University's mission is *"Provision of distinctive scientific education and research that serve the community and Hajj and Umrah, and contribute to the development of the knowledge-based economy in accordance with the Saudi Vision 2030".*

## Collage of Applied Medical Sciences Mission

The mission of the college is *"Preparing distinguished graduates in the various disciplines of applied medical sciences who will contribute to the advancement of health services for the community and providing a competitive research environment to support the knowledge-based economy"*

## Department of Physical Therapy Mission

The mission of the department of physical therapy is *"Providing high-quality education in physical therapy to prepare qualified physical therapists to work in various practice settings, and to contribute to scientific research and innovation, and to excel in community service and volunteer work"*

## Master of Physical Therapy Program Mission and Goals

The mission of the master of physical therapy program is *"To prepare skilled physical therapists who embrace evidence-based physical therapy practice to meet the health needs of the society though provision of unique services in different subspecialties of physical therapy and to contribute to the advancement of physical therapy profession through scientific research"*

The goals of the master of physical therapy program are:

1. To prepare physical therapist who are able to work as clinical practitioner and researcher.
2. To prepare physical therapist who can apply the foundations of science, general clinical observations and scholastic inquiry to the delivery of high quality screening, evaluation and intervention services.
3. To train specialist physical therapists to assume leadership roles in clinics and in academia.

## Umm Al-Qura University policies and regulations

The collage of applied medical science and department of physical therapy follow the university general policies and regulations and student is responsible to understand and comply with the University policies and regulations.

Provide a list of related program regulations, including their link to online version:

- Postgraduate policies guidelines
  https://drive.uqu.edu.sa/_/gs/files/الدليل%20الارشادي%20(الطبعه%20الثالثة)%20لطلبة%20الد راسات%20العليا.pdf

- Unified Regulation for postgraduate studies at the Saudi universities
  https://drive.uqu.edu.sa/_/aaliunit/files/لائحة%20الدراسات%20العليا%20والقواعد%20التنظيمية.pdf

- Umm Al-Qura university paid postgraduate studies regulation
  https://drive.uqu.edu.sa/_/aaliunit/files/القواعد%20والإجراءات%20التنظيمية%20والتنفيذية%20.pdf

- Study and Exams regulations
  https://drive.uqu.edu.sa/_/dadregis/files/43/LDUP431.pdf

- Student Right and Duties
  https://drive.uqu.edu.sa/_/studaff/files/qanon.pdf

# ACADEMIC AND UNIVERSITY POLICES

## Admission and registration requirements

Students will be admitted to the program based on the unified rules and regulations for graduate studies at Saudi universities:

**Applicants must:**

- Applicant must be a Saudi citizen or, if non-Saudi, on an official scholarship.
- Applicant must have a BSc in Physical Therapy with a minimum grade of (Very Good) from an institute accredited by the Saudi Ministry of Higher Education
- Applicant must submit two letters of recommendation.
- Proof of English proficiency: a minimum IELTS Score of 5 or its equivalent.
- One year of full-time clinical experience (Internship) in a recognized hospital, centre or an academic institution.

Other requirements include:

- Applicant must have a record of good conduct.
- Applicant, if an employee, must provide an employer's approval for studying.
- Valid certificate of Saudi commission for health specialities.
- The Department of Physical Therapy reserves the right to add other conditions/requirements

For complete details on the University's Admission and registration requirements review: https://uqu.edu.sa/en/aaliunit/73119

## Postgraduate Studies Unit (Aali)

The Postgraduate Studies Unit (Aali) seeks to provide the best specialized services for the paid postgraduate studies at the Umm Al-Qura university.

Student can access the Postgraduate Studies Unit (Aali) via this link: https://uqu.edu.sa/aaliunit

Students who have any queries related to their services may submit an e-ticket using this link: https://uqu.edu.sa/en/aaliunit/App/Tickets

## Dress Code policy

Decent and a professional appearance must be maintained by student during all time when they are representing Umm Al-Qura university.

Students are expected to adhere with the following:

- All students are required to carry the university identity cards at all time while in the university.
- Students are obligated to wear decent respectful clothes and not permitted to wear semi-transparent, tight-fitting, pants, sleeveless, jeans, T-shirt, and short length skirts/dresses clothes.
- Students required during labs and clinical placement to wear medical uniform (scrubs and lab coats) and place the university ID where is visible to others.
- Students with Direct Patient Care should follow the infection control and patient safety guidelines issued by Ministry of health.

## Student Affairs

Students are encouraged visit student's services provided by the Deanship of Student Affairs via this link: https://uqu.edu.sa/studaff

Students who have any queries related to their services may submit an e-ticket using this link: https://uqu.edu.sa/studaff/App/Tickets

## Students with Disabilities

Umm Al-Qura University provides accommodations for students with disabilities via Gali Center under the Deanship of Student Affairs. Information about the center and services is available via this link: https://uqu.edu.sa/studaff/16052

## Financial Issue

New students can pay the tuition fees of their paid postgraduate program through the Unified Gate of Admission. Detailed information on how to make payment can be found at: https://drive.uqu.edu.sa/_/aaliunit/files/new4/السداد%20الية.pdf

More information about payment regulations is available at: https://drive.uqu.edu.sa/_/aaliunit/files/القبول%20والتسجيل%20في%20القواعد%20والإجراءات%20التن ظيمية%20والتنفيذية.pdf

## Student Absences

All students are expected to attend lectures, labs, and exams. A student who is absent from classes or labs for any reasons, must submit her/his excuse & supporting documents to be reviewed by a college-wide committee. The process is explained in the figure below.


The process of submitting the excuse & supporting documents through this link: https://uqu.edu.sa/fameds/App/Forms/Show/36303
Student will be informed about the decision of the committee via the course instructor and/or the head of department.

## Student Complaint Process

If the student believe that she/he has been treated unfairly by the university staff, department staff, and faculty member, student can initiate a complaint following the pathway outlines in the photo below:

# DEPARTMENT OF PHYSICAL THERAPY REGULATIONS

## Postgraduate program mission and Goals

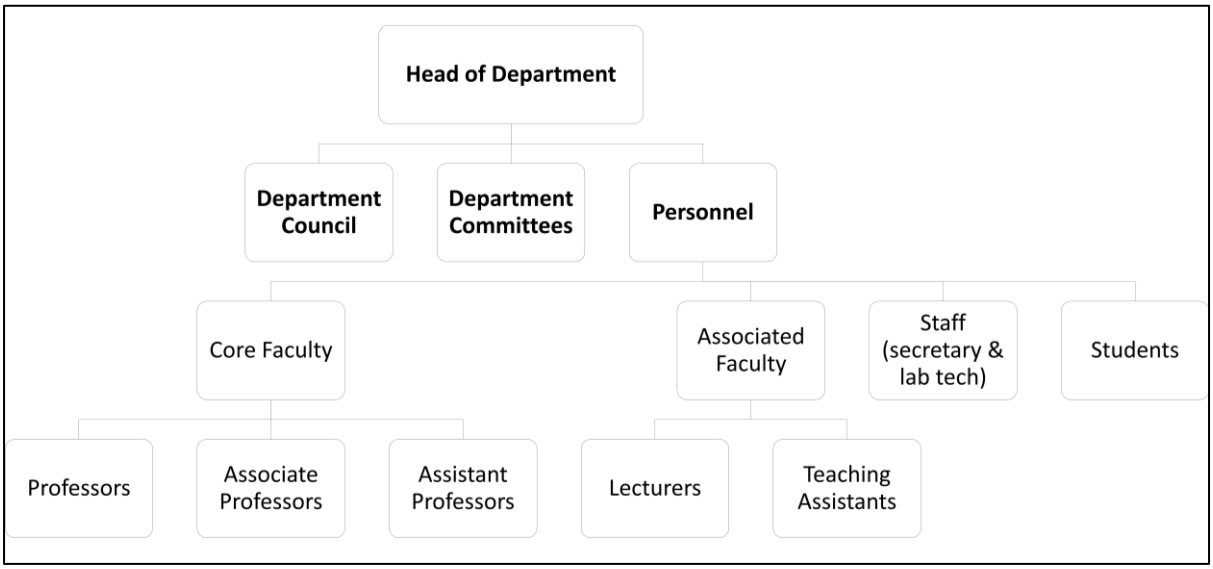
### Postgraduate program mission

To prepare post graduate students to become skilled physical therapists that embrace evidence based physical therapy practice, meet the health needs of patients, consumers, and society, and participate in professional and community service through collaborative environment that promotes education, research, services, and leadership based on Islamic values and believes.

### Postgraduate program goals

- To prepare specialist physical therapists who are able to function as researchers and educators through dynamic academic learning experiences, patient care and scholarly activities.
- To prepare specialist physical therapists that can apply the foundations of science, general clinical observations and scholastic inquiry to the delivery of high quality, culturally sensitive education, screening, evaluation and intervention services.
- To facilitate innovative thinking and scholarly activities in order to build the evidence base of clinical practice physical therapy subspecialty.
- To train specialist physical therapists to assume leadership roles in clinics and in academia

## Organizational Structure



## Master of  Physical Therapy plan of study

### Sports Medicine Track

| Level | Course Code | Course Title | Credit Hours |
|---|---|---|---|
| Level 1 | 1704601 | Evidence Based Practice in Physical Therapy | 3 |
| | 1704602 | Advanced Biomechanics and Kinesiology | 3 |
| | 1704603 | Functional Anatomy | 3 |
| | 1704604 | Clinical Exercise Physiology | 3 |
| Level 2 | 1704611 | Clinical Sports Medicine | 4 |
| | 1704612 | Sports Injury Prevention | 4 |
| | 1704613 | Sports Injury Rehabilitation | 4 |
| Level 3 | 1704614 | Advanced Clinical Practice Specialty Sport I | 5 |
| | 1704605 | Research Methodology in Physical Therapy | 3 |
| | 1704606 | Biostatistics and Experimental Design | 2 |
| Level 4 | 1704615 | Advanced Clinical Practice Specialty Sport II | 5 |
| | 1704607 | Research Project | 5 |

### Pediatric Track

| Level | Course Code | Course Title | Credit Hours |
|---|---|---|---|
| Level 1 | 1704601 | Evidence Based Practice in Physical Therapy | 3 |
| | 1704602 | Advanced Biomechanics and Kinesiology | 3 |
| | 1704603 | Functional Anatomy | 3 |
| | 1704604 | Clinical Exercise Physiology | 3 |
| Level 2 | 1704621 | Advanced Pediatric Physical Therapy | 4 |
| | 1704622 | Assessment and Evaluation in Pediatric Rehabilitation | 4 |
| | 1704623 | Pediatric Occupational Therapy | 4 |
| Level 3 | 1704624 | Advanced Clinical Practice Pediatric I | 5 |
| | 1704605 | Research Methodology in Physical Therapy | 3 |
| | 1704606 | Biostatistics and Experimental Design | 2 |
| Level 4 | 1704625 | Advanced Clinical Practice Pediatric II | 5 |
| | 1704607 | Research Project | 5 |

## Orthopedic Track

| Level | Course Code | Course Title | Credit Hours |
|---|---|---|---|
| **Level 1** | 1704601 | Evidence Based Practice in Physical Therapy | **3** |
| | 1704602 | Advanced Biomechanics and Kinesiology | **3** |
| | 1704603 | Functional Anatomy | **3** |
| | 1704604 | Clinical Exercise Physiology | **3** |
| **Level 2** | 1704631 | Orthopedics and Diagnostic Imaging | **4** |
| | 1704632 | Advanced Musculoskeletal Practice I | **4** |
| | 1704633 | Advanced Musculoskeletal Practice II | **4** |
| **Level 3** | 1704634 | Advanced Clinical Practice Orthopedic I | **5** |
| | 1704605 | Research Methodology in Physical Therapy | **3** |
| | 1704606 | Biostatistics and Experimental Design | **2** |
| **Level 4** | 1704635 | Advanced Clinical Practice Orthopedic II | **5** |
| | 1704607 | Research Project | **5** |

## Neurological Track

| Level | Course Code | Course Title | Credit Hours |
|---|---|---|---|
| **Level 1** | 1704601 | Evidence Based Practice in Physical Therapy | **3** |
| | 1704602 | Advanced Biomechanics and Kinesiology | **3** |
| | 1704603 | Functional Anatomy | **3** |
| | 1704604 | Clinical Exercise Physiology | **3** |
| **Level 2** | 1704641 | Physical Therapy of Neurological and Neurosurgical Disorders | **4** |
| | 1704642 | Electro Diagnosis and Imaging Evaluation | **4** |
| | 1704643 | Motor Learning and Pain Management | **4** |
| **Level 3** | 1704644 | Advanced Clinical Practice Neurological I | **5** |
| | 1704605 | Research Methodology in Physical Therapy | **3** |
| | 1704606 | Biostatistics and Experimental Design | **2** |
| **Level 4** | 1704645 | Advanced Clinical Practice Neurological II | **5** |
| | 1704607 | Research Project | **5** |

## Women's Health Track

| Level | Course Code | Course Title | Credit Hours |
|---|---|---|---|
| **Level 1** | 1704601 | Evidence Based Practice in Physical Therapy | **3** |
| | 1704602 | Advanced Biomechanics and Kinesiology | **3** |
| | 1704603 | Functional Anatomy | **3** |
| | 1704604 | Clinical Exercise Physiology | **3** |
| **Level 2** | 1704651 | Physical Therapy for Women's Health I | **4** |
| | 1704652 | Physical Therapy for Women's Health II | **4** |
| | 1704653 | Physical Therapy for Pelvic Floor | **4** |
| **Level 3** | 1704654 | Advanced Clinical Practice Women's health I | **5** |
| | 1704605 | Research Methodology in Physical Therapy | **3** |
| | 1704606 | Biostatistics and Experimental Design | **2** |
| **Level 4** | 1704655 | Advanced Clinical Practice Women's health II | **5** |
| | 1704607 | Research Project | **5** |

## Cardiopulmonary Track

| Level | Course Code | Course Title | Credit Hours |
|---|---|---|---|
| **Level 1** | 1704601 | Evidence Based Practice in Physical Therapy | **3** |
| | 1704602 | Advanced Biomechanics and Kinesiology | **3** |
| | 1704603 | Functional Anatomy | **3** |
| | 1704604 | Clinical Exercise Physiology | **3** |
| **Level 2** | 1704661 | Advanced Theories in Cardiopulmonary Physical Therapy | **4** |
| | 1704662 | Advanced Evaluations in Cardiopulmonary physical Therapy | **4** |
| | 1704663 | Research Seminars and Clinical Decision Making in Cardiopulmonary Physical Therapy | **4** |
| **Level 3** | 1704654 | Advanced Clinical Practice Cardiopulmonary I | **5** |
| | 1704664 | Research Methodology in Physical Therapy | **3** |
| | 1704606 | Biostatistics and Experimental Design | **2** |
| **Level 4** | 1704665 | Advanced Clinical Practice Cardiopulmonary II | **5** |
| | 1704607 | Research Project | **5** |

## Surgery and Oncology Track

| Level | Course Code | Course Title | Credit Hours |
|---|---|---|---|
| Level 1 | 1704601 | Evidence Based Practice in Physical Therapy | 3 |
| | 1704602 | Advanced Biomechanics and Kinesiology | 3 |
| | 1704603 | Functional Anatomy | 3 |
| | 1704604 | Clinical Exercise Physiology | 3 |
| Level 2 | 1704671 | Burn and Plastic Surgery Rehabilitation | 4 |
| | 1704672 | Wound Management | 4 |
| | 1704673 | General and Oncological Surgery Rehabilitation | 4 |
| Level 3 | 1704674 | Advanced Clinical Practice Surgery I | 5 |
| | 1704664 | Research Methodology in Physical Therapy | 3 |
| | 1704606 | Biostatistics and Experimental Design | 2 |
| Level 4 | 1704675 | Advanced Clinical Practice Surgery II | 5 |
| | 1704607 | Research Project | 5 |

## Clinical Electrophysiology Track

| Level | Course Code | Course Title | Credit Hours |
|---|---|---|---|
| Level 1 | 1704601 | Evidence Based Practice in Physical Therapy | 3 |
| | 1704602 | Advanced Biomechanics and Kinesiology | 3 |
| | 1704603 | Functional Anatomy | 3 |
| | 1704604 | Clinical Exercise Physiology | 3 |
| Level 2 | 1704681 | Electrodiagnosis for Physical Therapists | 4 |
| | 1704682 | Objective Evaluation in Physical Therapy | 4 |
| | 1704683 | Electrophysical Agents in Rehabilitation | 4 |
| Level 3 | 1704684 | Advanced Clinical Practice Electrophysiology I | 5 |
| | 1704664 | Research Methodology in Physical Therapy | 3 |
| | 1704606 | Biostatistics and Experimental Design | 2 |
| Level 4 | 1704685 | Advanced Clinical Practice Electrophysiology II | 5 |
| | 1704607 | Research Project | 5 |

## Course Description

Sports Medicine Track

| | Course Name | Description |
|---|---|---|
| **Level 1** | **Evidence-Based Practice in Physical Therapy ( 1704601)** | This course will commence with a critical review of the forms of evidence that underpin professional practice in physical therapy and rehabilitation sciences. The concept of evidence-based practice will be analyzed and its impact on practice evaluated, including an examination of the barriers to using evidence in practice. The course is focused on finding, appraising, and applying evidence into own clinical practice. The course provides students with practical skills in creating clinical question and searching online databases to find research articles. The course is then concentrated on examining different research designs: (1) Randomized Controlled Trails; (2) Prognostic Studies; (3) Diagnostic studies; (4) Systematic Reviews and Meta analyses; (5) Clinical Practice Guidelines; (6) Outcome Measures; (7) Alternative designs. The course finally reiterate the importance of shared decision making and research ethics in the context of evidence-based practice. |
| | **Advanced Biomechanics and Kinesiology( 1704602)** | This course is designed to provide the students to with sufficient advanced theoretical and academic knowledge in laws of mechanics and kinesiology related to physical therapy applications as well as various aspects of mechanics which affect the human body. Also to enable the student to comprehend and apply this knowledge at various clinical and practical situations, like analysis of normal and pathological posture and gait, discuss the different force systems with anatomical examples from the human body, state Newton's laws and apply them on the human body, identify biomechanics of fracture fixation, applying biomechanics in sports medicine and rehabilitation, fluid mechanics, applying biomechanics in physical education finally to analyze factors affecting joint mechanics. |
| | **Functional Anatomy (1704603)** | Physical Therapist postgraduates' students are introduced to organized guided topics to develop advanced skills in the understanding and application of the Functional Anatomy of different human systems in diagnosis and treatment of different pathological conditions. The program endeavors to encourage these students to participate in research and education related to this method and to provide an understanding of the physical deficits encountered by persons with different pathological disorders. |
| | **Clinical Exercise Physiology (1704604)** | This course aims to introduce the Physiological concepts of neuromuscular, cardiovascular, respiratory, endocrine and reproductive physiology to the post graduate students as a continuation of their knowledge in the undergraduate and an implementation to other pre-requisite courses in the Master of Science in Physical Therapy. |

| | Course Name | Description |
|---|---|---|
| **Level 2** | **Clinical Sports Medicine (1704611)** | This course is designed to prepare student to become professional with the medical information concerning Clinical Sports Medicine and to provide an understanding of the application of appropriate assessment and treatment technique used in management of soft tissue and musculoskeletal disorders that athletes suffered from. This course will further develop the student's understanding of the effect of physical training with regard to preparation before and after training, and the importance of appropriate rehabilitative exercises. Risk factors for injuries will also been discussed as well as preventive measures. |
| | **Sports Injury Prevention (1704612)** | This course will provide an opportunity for post graduate students to be aware the basic principles of injury prevention؛ have an awareness of the different injury-prevention strategies which can be used in football؛ be able to implement the FIFA 11+ injury-prevention program, including the referee and kids' versions؛ have an understanding regarding the efficacy of the FIFA11+ injury-prevention program؛ be able to advocate injury-prevention programs to players and coaches؛ understand the importance of compliance؛ have an awareness of the financial impact of injury-prevention programs؛ have an understanding of the extrinsic risk factors for injury and how these may be mitigated. |
| | **Sports Injury Rehabilitation (1704613)** | This course will enable the students to manage the injured sportsperson and active individual and to develop injury prevention strategies with cognizance of all potential roles involved. This will be considered in the light of the involvement of the sportsperson from the recreational participant to the elite competitor. The students will also develop an understanding of sport and exercise participation in various social and geographic environments as well as in able-bodied and disabled sports participants. In the lab component of the course the students will practice sport injury assessment. Students will practice on each other; additionally patients with various sport injury will be brought to the lab for demonstration purposes |

| | Course Name | Description |
|---|---|---|
| **Level 3** | **Research Methodology in Physical Therapy (1704605)** | Research Methodology course will provide an opportunity for post graduate students to establish or advance their understanding of research through critical exploration of research language, ethics, and approaches. The course introduces the language of research, ethical principles and challenges, and the elements of the research process within quantitative, qualitative and mixed method approaches. Research students will use these theoretical underpinnings to begin to critically review literature relevant to their field or interests and determine how research findings are useful in forming their understanding of their work, local and global environment. |
| | **Biostatistics and Experimental Design (1704606)** | To provide students with the knowledge and skills about basic biostatistical concepts and applications to be utilized in research projects. The course provides overview of basic theoretical concepts (e.g. sampling error, confidence intervals) and applications of descriptive and inferential statistical analyses for different study designs. |
| | **Advanced Clinical Practice (Sports) I (1704614)** | This course is designed to advance the students' expertise in the examination, evaluation, diagnosis, prognosis, intervention, and management of patients. It is expected that the student will gain an in-depth understanding of the science underlying clinical techniques and evidence-based practice. Students are also expected to perform re-examinations, measure patient outcomes, and modify interventions accordingly. It allows students to apply knowledge and skills learned in the classroom to real-life situations in their chosen specialty. A one-on-one model of expert instructor to student is proposed for 30% of the time, using carefully selected sites and clinical instructors to facilitate the achievement of the goals. The rest of the time the student is expected to carry a full load and to be supervised as needed. The student is expected to attend physician rounds and conferences and to do at least one case presentation. |

| | Course Name | Description |
|---|---|---|
| **Level 4** | **Research Project (1704607)** | This course provides the principles of scientific methods of research and its application to physical therapy to enable students to develop their skills in selecting and defining research problems for developing criteria for scientific research. Students will critically evaluate selected articles and they will be divided into groups for supervised and directed research project. This course also offers students the opportunity to develop their clinical or practical experience in special areas of interest to physical therapy, design, perform, and present a related research project. The work involved in this course will be supervised and guided by faculty. |
| | **Advanced Clinical Practice (Sports) II (1704615)** | This course is designed to advance the students' expertise in the examination, evaluation, diagnosis, prognosis, intervention, and management of patients. It is expected that the student will gain an in-depth understanding of the science underlying clinical techniques and evidence-based practice. Students are also expected to perform re-examinations, measure patient outcomes, and modify interventions accordingly. It allows students to apply knowledge and skills learned in the classroom to real-life situations in their chosen specialty. A one-on-one model of expert instructor to student is proposed for 30% of the time, using carefully selected sites and clinical instructors to facilitate the achievement of the goals. The rest of the time the student is expected to carry a full load and to be supervised as needed. The student is expected to attend physician rounds and conferences and to do at least one case presentation |

## Pediatric Track

| | Course Name | Description |
|---|---|---|
| **Level 1** | **Evidence-Based Practice in Physical Therapy ( 1704601)** | This course will commence with a critical review of the forms of evidence that underpin professional practice in physical therapy and rehabilitation sciences. The concept of evidence-based practice will be analyzed and its impact on practice evaluated, including an examination of the barriers to using evidence in practice. The course is focused on finding, appraising, and applying evidence into own clinical practice. The course provides students with practical skills in creating clinical question and searching online databases to find research articles. The course is then concentrated on examining different research designs: (1) Randomized Controlled Trails; (2) Prognostic Studies; (3) Diagnostic studies; (4) Systematic Reviews and Meta analyses; (5) Clinical Practice Guidelines; (6) Outcome Measures; (7) Alternative designs. The course finally reiterate the importance of shared decision making and research ethics in the context of evidence-based practice. |
| | **Advanced Biomechanics and Kinesiology( 1704602)** | This course is designed to provide the students to with sufficient advanced theoretical and academic knowledge in laws of mechanics and kinesiology related to physical therapy applications as well as various aspects of mechanics which affect the human body. Also to enable the student to comprehend and apply this knowledge at various clinical and practical situations, like analysis of normal and pathological posture and gait, discuss the different force systems with anatomical examples from the human body, state Newton's laws and apply them on the human body, identify biomechanics of fracture fixation, applying biomechanics in sports medicine and rehabilitation, fluid mechanics, applying biomechanics in physical education finally to analyze factors affecting joint mechanics. |
| | **Functional Anatomy (1704603)** | Physical Therapist postgraduates' students are introduced to organized guided topics to develop advanced skills in the understanding and application of the Functional Anatomy of different human systems in diagnosis and treatment of different pathological conditions. The program endeavors to encourage these students to participate in research and education related to this method and to provide an understanding of the physical deficits encountered by persons with different pathological disorders. |
| | **Clinical Exercise Physiology (1704604)** | This course aims to introduce the Physiological concepts of neuromuscular, cardiovascular, respiratory, endocrine and reproductive physiology to the post graduate students as a continuation of their knowledge in the undergraduate and an implementation to other pre-requisite courses in the Master of Science in Physical Therapy. |

| | Course Name | Description |
|---|---|---|
| **Level 2** | **Advanced Pediatric Physical Therapy (1704621)** | This course provides in-depth exploration of the assessment and intervention procedures used with children suffering from neurological, musculoskeletal, and cardiopulmonary pathologies. The students will apply the relevant knowledge of anatomy, physiology, genetics, pharmacology, pathology, applied biomechanics, and child psychology to evaluation and treatment planning for the children with such pathologies. Emphasis is placed on activity-based, task-specific exercise, functional and progressive strength training, and treadmill and balance training. Various treatment and intervention approaches developed by Rood, Bobaths, Votja, Peto, Temple Fay, Jean Ayres, Sophie Levitt, and PNF will be discussed. The course focuses on evidence-based examination and intervention of children with disabilities within the context of child, family, and environmental factors. The importance of family centered care; parent, child interactions, group therapy, and play are explored. This course includes laboratory sessions that will focus on hands-on evaluation/management techniques for the conditions related to the practice of pediatric physical therapy. Clinical practice in pediatrics will run in parallel to this course which will give the students the opportunity to practice both examination and intervention skills taught in this course. |
| | **Assessment and Evaluation in Pediatric Rehabilitation (1704622)** | This course is designed to provide students with background information on measurement principles and psychometrics that guide students to the effective use of tests and measures in pediatric physical therapy practice. Assessment tools will be discussed in the light of International Classification of Functioning, Disability, and Health (ICF) framework. Selective standardized tests will be discussed in details. The main purposes of this course are to: 1) provide students with the foundational knowledge of measurement theory in rehabilitation science; and 2) to expose students to common assessment tools used in pediatric physical therapy that can be used in clinical practice. |
| | **Pediatric Occupational Therapy (1704623)** | This course is designed to prepare the post-graduate student to be able to have sufficient base of theoretical and practical knowledge in the field of occupational therapy for the common Pediatric and neuro-developmental disorders cases as well as surgical conditions in children. This Course will also help them to understand the meanings of occupations and the use of occupation to affect human performance and improve the effects of diseases and disability. Through this course, the post-graduate student will learn to work with disabled children and children with occupational problems to help them participate more fully in life by focusing on their strengths and enable them to achieve maximum level of function and independence in everyday activities. This course will help graduate to efficiently collaborate with family and careers where needed and typically work in teams with other healthcare professionals. This course will cover a wide range of topics including theories of what people do in daily life and why; knowledge of the development of child 'capabilities (e.g. motor, sensory, perceptual, cognitive, psychosocial) from prenatal life through childhood and the ways in which injury and illness typically disrupt them; activity and environmental analysis; and theories and techniques for promoting participation in daily life. |

| | Course Name | Description |
|---|---|---|
| **Level 3** | **Research Methodology in Physical Therapy (1704605)** | Research Methodology course will provide an opportunity for post graduate students to establish or advance their understanding of research through critical exploration of research language, ethics, and approaches. The course introduces the language of research, ethical principles and challenges, and the elements of the research process within quantitative, qualitative and mixed method approaches. Research students will use these theoretical underpinnings to begin to critically review literature relevant to their field or interests and determine how research findings are useful in forming their understanding of their work, local and global environment. |
| | **Biostatistics and Experimental Design (1704606)** | To provide students with the knowledge and skills about basic biostatistical concepts and applications to be utilized in research projects. The course provides overview of basic theoretical concepts (e.g. sampling error, confidence intervals) and applications of descriptive and inferential statistical analyses for different study designs. |
| | **Advanced Clinical Practice (Pediatric) I (1704624)** | This course is designed to provide postgraduate hands-on experiences with real patients and situations in pediatric physical therapy under the supervision and guidance of experts in such areas. To obtain mastery of advanced clinical skills and professional behaviors that will prepare the student to become a specialist in pediatric physical therapy. To examine and evaluate children, and design, implement, and analyze a physical therapy plan of care as a specialist-level practitioner. To augment the academic curriculum by providing a variety of clinical learning experiences to facilitate the formation of knowledge, skills, professional judgment and behaviors, and values necessary for students to provide safe, professional, ethical and quality physical therapy care. To extend and deepen clinical reasoning in the development and monitoring of management plans based on assessment findings and best available evidence, which are responsive to the service delivery models and the culture of the patient and the organization. |

| | Course Name | Description |
|---|---|---|
| **Level 4** | **Research Project (1704607)** | This course provides the principles of scientific methods of research and its application to physical therapy to enable students to develop their skills in selecting and defining research problems for developing criteria for scientific research. Students will critically evaluate selected articles and they will be divided into groups for supervised and directed research project. This course also offers students the opportunity to develop their clinical or practical experience in special areas of interest to physical therapy, design, perform, and present a related research project. The work involved in this course will be supervised and guided by faculty. |
| | **Advanced Clinical Practice (Pediatric) II (1704625)** | This course is designed to provide postgraduate hands-on experiences with real patients and situations in pediatric physical therapy under the supervision and guidance of experts in such areas. To obtain mastery of advanced clinical skills and professional behaviors that will prepare the student to become a specialist in pediatric physical therapy. To examine and evaluate children, and design, implement, and analyze a physical therapy plan of care as a specialist-level practitioner. To augment the academic curriculum by providing a variety of clinical learning experiences to facilitate the formation of knowledge, skills, professional judgment and behaviors, and values necessary for students to provide safe, professional, ethical and quality physical therapy care. |

## Orthopedic Track

| | Course Name | Description |
|---|---|---|
| **Level 1** | **Evidence-Based Practice in Physical Therapy ( 1704601)** | This course will commence with a critical review of the forms of evidence that underpin professional practice in physical therapy and rehabilitation sciences. The concept of evidence-based practice will be analyzed and its impact on practice evaluated, including an examination of the barriers to using evidence in practice. The course is focused on finding, appraising, and applying evidence into own clinical practice. The course provides students with practical skills in creating clinical question and searching online databases to find research articles. The course is then concentrated on examining different research designs: (1) Randomized Controlled Trails; (2) Prognostic Studies; (3) Diagnostic studies; (4) Systematic Reviews and Meta analyses; (5) Clinical Practice Guidelines; (6) Outcome Measures; (7) Alternative designs. The course finally reiterate the importance of shared decision making and research ethics in the context of evidence-based practice. |
| | **Advanced Biomechanics and Kinesiology( 1704602)** | This course is designed to provide the students to with sufficient advanced theoretical and academic knowledge in laws of mechanics and kinesiology related to physical therapy applications as well as various aspects of mechanics which affect the human body. Also to enable the student to comprehend and apply this knowledge at various clinical and practical situations, like analysis of normal and pathological posture and gait, discuss the different force systems with anatomical examples from the human body, state Newton's laws and apply them on the human body, identify biomechanics of fracture fixation, applying biomechanics in sports medicine and rehabilitation, fluid mechanics, applying biomechanics in physical education finally to analyze factors affecting joint mechanics. |
| | **Functional Anatomy (1704603)** | Physical Therapist postgraduates' students are introduced to organized guided topics to develop advanced skills in the understanding and application of the Functional Anatomy of different human systems in diagnosis and treatment of different pathological conditions. The program endeavors to encourage these students to participate in research and education related to this method and to provide an understanding of the physical deficits encountered by persons with different pathological disorders. |
| | **Clinical Exercise Physiology (1704604)** | This course aims to introduce the Physiological concepts of neuromuscular, cardiovascular, respiratory, endocrine and reproductive physiology to the post graduate students as a continuation of their knowledge in the undergraduate and an implementation to other pre-requisite courses in the Master of Science in Physical Therapy. |

| | Course Name | Description |
|---|---|---|
| **Level 2** | **Orthopedics and Diagnostic Imaging (1704631)** | This course is designed to prepare graduate students to become professional at medical information concerning traumatology, orthopedics and imaging to provide an understanding of the physical deficits encountered by persons with musculoskeletal disorders. Also; This course is designed to cover basic principles, procedures and interpretation of diagnostic imaging modalities. The emphasis is on plain film radiographs, contrast films, magnetic resonance imaging (MRI), and computed tomography (CT). Other types of imaging diagnostic techniques will also be introduced e.g. nuclear medicine and diagnostic ultrasound. |
| | **Advanced Musculoskeletal Practice I (1704632)** | This course will is designed to provide postgraduate students advanced knowledge and practice in musculoskeletal physical therapy of cervical spine and upper quadrant. It will cover musculoskeletal mechanical and pathological dysfunctions involving these structures, and advanced physical therapy interventions pertinent to these dysfunctions to be covered theoretically and practically. These interventions will cover all possible therapeutic interventions as indicated by recent literature in an evidence-based approach, including modalities, and exercise therapy, as well as understanding of the physical deficits encountered by persons with musculoskeletal disorders as well as the proper physical therapy treatment especially in upper quadrant conditions. |
| | **Advanced Musculoskeletal Practice II (1704633)** | This course will is designed to provide postgraduate students advanced knowledge and practice in musculoskeletal physical therapy of Lumbar spine and Lower quadrant. It will cover musculoskeletal mechanical and pathological dysfunctions involving these structures, and advanced physical therapy interventions pertinent to these dysfunctions to be covered theoretically and practically. These interventions will cover all possible therapeutic interventions as indicated by recent literature in an evidence-based approach, including modalities, and exercise therapy, as well as understanding of the physical deficits encountered by persons with musculoskeletal disorders as well as the proper physical therapy treatment especially in Lower quadrant conditions. |

| | Course Name | Description |
|---|---|---|
| **Level 3** | **Research Methodology in Physical Therapy (1704605)** | Research Methodology course will provide an opportunity for post graduate students to establish or advance their understanding of research through critical exploration of research language, ethics, and approaches. The course introduces the language of research, ethical principles and challenges, and the elements of the research process within quantitative, qualitative and mixed method approaches. Research students will use these theoretical underpinnings to begin to critically review literature relevant to their field or interests and determine how research findings are useful in forming their understanding of their work, local and global environment. |
| | **Biostatistics and Experimental Design (1704606)** | To provide students with the knowledge and skills about basic biostatistical concepts and applications to be utilized in research projects. The course provides overview of basic theoretical concepts (e.g. sampling error, confidence intervals) and applications of descriptive and inferential statistical analyses for different study designs. |
| | **Advanced Clinical Practice (Orthopedic) I (1704634)** | In this course, students are introduced to organized guided topics to develop advanced skills in the understanding and application of the field of musculoskeletal physical Therapy in diagnosis and therapy, using the case-based problem solving approach. The program endeavors to encourage these students to participate in research and education related to this method and be experienced in the clinical application. |

| | Course Name | Description |
|---|---|---|
| **Level 4** | **Research Project (1704607)** | This course provides the principles of scientific methods of research and its application to physical therapy to enable students to develop their skills in selecting and defining research problems for developing criteria for scientific research. Students will critically evaluate selected articles and they will be divided into groups for supervised and directed research project. This course also offers students the opportunity to develop their clinical or practical experience in special areas of interest to physical therapy, design, perform, and present a related research project. The work involved in this course will be supervised and guided by faculty. |
| | **Advanced Clinical Practice (Orthopedic) II (1704635)** | In this course, students are introduced to organized guided topics to develop advanced skills in the understanding and application of the field of musculoskeletal physical Therapy in diagnosis and therapy, using the case-based problem solving approach. The program endeavors to encourage these students to participate in research and education related to this method and be experienced in the clinical application. |

## Neurological Track

| | Course Name | Description |
|---|---|---|
| **Level 1** | **Evidence-Based Practice in Physical Therapy ( 1704601)** | This course will commence with a critical review of the forms of evidence that underpin professional practice in physical therapy and rehabilitation sciences. The concept of evidence-based practice will be analyzed and its impact on practice evaluated, including an examination of the barriers to using evidence in practice. The course is focused on finding, appraising, and applying evidence into own clinical practice. The course provides students with practical skills in creating clinical question and searching online databases to find research articles. The course is then concentrated on examining different research designs: (1) Randomized Controlled Trails; (2) Prognostic Studies; (3) Diagnostic studies; (4) Systematic Reviews and Meta analyses; (5) Clinical Practice Guidelines; (6) Outcome Measures; (7) Alternative designs. The course finally reiterate the importance of shared decision making and research ethics in the context of evidence-based practice. |
| | **Advanced Biomechanics and Kinesiology( 1704602)** | This course is designed to provide the students to with sufficient advanced theoretical and academic knowledge in laws of mechanics and kinesiology related to physical therapy applications as well as various aspects of mechanics which affect the human body. Also to enable the student to comprehend and apply this knowledge at various clinical and practical situations, like analysis of normal and pathological posture and gait, discuss the different force systems with anatomical examples from the human body, state Newton's laws and apply them on the human body, identify biomechanics of fracture fixation, applying biomechanics in sports medicine and rehabilitation, fluid mechanics, applying biomechanics in physical education finally to analyze factors affecting joint mechanics. |
| | **Functional Anatomy (1704603)** | Physical Therapist postgraduates' students are introduced to organized guided topics to develop advanced skills in the understanding and application of the Functional Anatomy of different human systems in diagnosis and treatment of different pathological conditions. The program endeavors to encourage these students to participate in research and education related to this method and to provide an understanding of the physical deficits encountered by persons with different pathological disorders. |
| | **Clinical Exercise Physiology (1704604)** | This course aims to introduce the Physiological concepts of neuromuscular, cardiovascular, respiratory, endocrine and reproductive physiology to the post graduate students as a continuation of their knowledge in the undergraduate and an implementation to other pre-requisite courses in the Master of Science in Physical Therapy. |

| | Course Name | Description |
|---|---|---|
| **Level 2** | **Physical Therapy of Neurological and Neurosurgical Disorders (1704641)** | This course is designed to provide opportunities, by which the post graduate develop a level of integration of theoretical knowledge, practical and clinical skills in assessing and treating different neurological and neurosurgical disorders. The postgraduate will acquire advanced skills and clinical practice based on the theoretical and academic knowledge in the field of physical therapy for neurology and neurosurgery that enables the candidate to deal with any patient referred from the physician to be able to obtain the advanced manual skills necessary for evaluation of different health problems; in order to design the optimal treatment plan for any patients suffering from any neurological and/ or neurosurgical problems, as well as communicate professionally with other medical team caring for this patient. |
| | **Electro diagnosis and Imaging Evaluation (1704642)** | This course will describe the fundamentals of physiological and anatomical basis for electromyography and nerve conduction studies. Its aims to improve the students' knowledge, skills and attitudes of electro-diagnostic examinations of electromyography, nerve conduction studies and late responses to evaluate different neuromuscular disorders as well as provide physical therapist the nature and scope of essential knowledge and skills needed to practice electro-diagnostic techniques for different neuromuscular disorders.<br>It also give students the ability to understand & recognize different neurological lesion for both brain & spinal cord through different imaging techniques( computerized tomography, and Magnetic resonance imaging) |
| | **Motor Learning and Pain Management (1704643)** | This course will emphasis on understanding the followings: Theoretical and applied perspectives of motor control and learning, and their implications on physical therapy and also on understanding pain and how to manage it. It also discusses the Behavioral, biomechanical and different neural control of learning and mechanisms of pain control theories. Understanding of both normal and pathological human motor behavior and their Implications on treatment of patients and most common causes of pain and how to interfere with it. Neurophysiologic control of posture and movement as the base for applying evaluation and treatment procedures for abnormalities of, movement, muscle tone, postural adaptation, and its function. Updated techniques in evaluating and treating neuropathic pain and how physical therapy can interfere with these approaches. The effects of cognition, vision, vestibular, auditory, input in the acquisition of motor skills. |

| | Course Name | Description |
|---|---|---|
| **Level 3** | **Research Methodology in Physical Therapy (1704605)** | Research Methodology course will provide an opportunity for post graduate students to establish or advance their understanding of research through critical exploration of research language, ethics, and approaches. The course introduces the language of research, ethical principles and challenges, and the elements of the research process within quantitative, qualitative and mixed method approaches. Research students will use these theoretical underpinnings to begin to critically review literature relevant to their field or interests and determine how research findings are useful in forming their understanding of their work, local and global environment. |
| | **Biostatistics and Experimental Design (1704606)** | To provide students with the knowledge and skills about basic biostatistical concepts and applications to be utilized in research projects. The course provides overview of basic theoretical concepts (e.g. sampling error, confidence intervals) and applications of descriptive and inferential statistical analyses for different study designs. |
| | **Advanced Clinical Practice (Neurological) I (1704644)** | This course is designed to provide opportunities by which the postgraduate develops a level of integration between theoretical knowledge and skills in physical therapy evaluation and treatment of actual patients with neurological and neurosurgical disorders in out-patient's physical therapy departments as well as in-patient's neurological and neurosurgical departments. The student will acquire advanced skills and experiences in clinical practice based on the theoretical and academic knowledge in the field of physical therapy for the common neurological and neurosurgical conditions that enables the candidate to deal with any patient referred from neurologist or neurosurgeon to apply advanced manual skills necessary for evaluation of different problems; in order to design the optimal physical therapy plan for patients suffering from any neurological or neurosurgical problems, as well as communicate professionally with other medical team caring for this patient. |

| | Course Name | Description |
|---|---|---|
| **Level 4** | **Research Project (1704607)** | This course provides the principles of scientific methods of research and its application to physical therapy to enable students to develop their skills in selecting and defining research problems for developing criteria for scientific research. Students will critically evaluate selected articles and they will be divided into groups for supervised and directed research project. This course also offers students the opportunity to develop their clinical or practical experience in special areas of interest to physical therapy, design, perform, and present a related research project. The work involved in this course will be supervised and guided by faculty. |
| | **Advanced Clinical Practice (Neurological) II (1704645)** | This course is designed to provide opportunities by which the postgraduate develops a level of integration between theoretical knowledge and skills in physical therapy evaluation and treatment of actual patients with neurological and neurosurgical disorders in out-patient's physical therapy departments as well as in-patient's neurological and neurosurgical departments. The student will acquire advanced skills and experiences in clinical practice based on the theoretical and academic knowledge in the field of physical therapy for the common neurological and neurosurgical conditions that enables the candidate to deal with any patient referred from neurologist or neurosurgeon to apply advanced manual skills necessary for evaluation & treatment of different problems. |

## Women's Health Track

| | Course Name | Description |
|---|---|---|
| **Level 1** | **Evidence-Based Practice in Physical Therapy ( 1704601)** | This course will commence with a critical review of the forms of evidence that underpin professional practice in physical therapy and rehabilitation sciences. The concept of evidence-based practice will be analyzed and its impact on practice evaluated, including an examination of the barriers to using evidence in practice. The course is focused on finding, appraising, and applying evidence into own clinical practice. The course provides students with practical skills in creating clinical question and searching online databases to find research articles. The course is then concentrated on examining different research designs: (1) Randomized Controlled Trails; (2) Prognostic Studies; (3) Diagnostic studies; (4) Systematic Reviews and Meta analyses; (5) Clinical Practice Guidelines; (6) Outcome Measures; (7) Alternative designs. The course finally reiterate the importance of shared decision making and research ethics in the context of evidence-based practice. |
| | **Advanced Biomechanics and Kinesiology( 1704602)** | This course is designed to provide the students to with sufficient advanced theoretical and academic knowledge in laws of mechanics and kinesiology related to physical therapy applications as well as various aspects of mechanics which affect the human body. Also to enable the student to comprehend and apply this knowledge at various clinical and practical situations, like analysis of normal and pathological posture and gait, discuss the different force systems with anatomical examples from the human body, state Newton's laws and apply them on the human body, identify biomechanics of fracture fixation, applying biomechanics in sports medicine and rehabilitation, fluid mechanics, applying biomechanics in physical education finally to analyze factors affecting joint mechanics. |
| | **Functional Anatomy (1704603)** | Physical Therapist postgraduates' students are introduced to organized guided topics to develop advanced skills in the understanding and application of the Functional Anatomy of different human systems in diagnosis and treatment of different pathological conditions. The program endeavors to encourage these students to participate in research and education related to this method and to provide an understanding of the physical deficits encountered by persons with different pathological disorders. |
| | **Clinical Exercise Physiology (1704604)** | This course aims to introduce the Physiological concepts of neuromuscular, cardiovascular, respiratory, endocrine and reproductive physiology to the post graduate students as a continuation of their knowledge in the undergraduate and an implementation to other pre-requisite courses in the Master of Science in Physical Therapy. |

| | Course Name | Description |
|---|---|---|
| **Level 2** | **Physical Therapy for Women's Health I (1704651)** | This course will enable the student to explore recent advances, knowledge and current physical therapy practice applicable to women's health in a variety of Obstetrical healthcare settings |
| | **Physical Therapy for Women's Health I (1704652)** | This course will enable the student to explore recent advances, knowledge and current physical therapy practice applicable to women's health in a variety of Gynecological healthcare settings |
| | **Physical Therapy for Pelvic Floor (1704653)** | This course will enable the student to explore recent advances, knowledge and current physical therapy practice applicable to pelvic floor with focus on epidemiology and prevalence of the pelvic floor dysfunction, diagnostic measures for pelvic floor dysfunction, and physical therapy strategies to manage dysfunctions. |

| | Course Name | Description |
|---|---|---|
| **Level 3** | **Research Methodology in Physical Therapy (1704605)** | Research Methodology course will provide an opportunity for post graduate students to establish or advance their understanding of research through critical exploration of research language, ethics, and approaches. The course introduces the language of research, ethical principles and challenges, and the elements of the research process within quantitative, qualitative and mixed method approaches. Research students will use these theoretical underpinnings to begin to critically review literature relevant to their field or interests and determine how research findings are useful in forming their understanding of their work, local and global environment. |
| | **Biostatistics and Experimental Design (1704606)** | To provide students with the knowledge and skills about basic biostatistical concepts and applications to be utilized in research projects. The course provides overview of basic theoretical concepts (e.g. sampling error, confidence intervals) and applications of descriptive and inferential statistical analyses for different study designs. |
| | **Advanced Clinical Practice (Women's Health) I (1704654)** | This course will enable the student to reflect on and analyze recent advances, knowledge and current physical therapy practice applicable to women's health in a clinical setting. |

| | Course Name | Description |
|---|---|---|
| **Level 4** | **Research Project (1704607)** | This course provides the principles of scientific methods of research and its application to physical therapy to enable students to develop their skills in selecting and defining research problems for developing criteria for scientific research. Students will critically evaluate selected articles and they will be divided into groups for supervised and directed research project. This course also offers students the opportunity to develop their clinical or practical experience in special areas of interest to physical therapy, design, perform, and present a related research project. The work involved in this course will be supervised and guided by faculty. |
| | **Advanced Clinical Practice (Women's Health) II (1704655)** | This course will enable the student to reflect on and analyze recent advances, knowledge and current physical therapy practice applicable to women's health in a clinical setting. |

## Cardiopulmonary Track

| | Course Name | Description |
|---|---|---|
| **Level 1** | **Evidence-Based Practice in Physical Therapy ( 1704601)** | This course will commence with a critical review of the forms of evidence that underpin professional practice in physical therapy and rehabilitation sciences. The concept of evidence-based practice will be analyzed and its impact on practice evaluated, including an examination of the barriers to using evidence in practice. The course is focused on finding, appraising, and applying evidence into own clinical practice. The course provides students with practical skills in creating clinical question and searching online databases to find research articles. The course is then concentrated on examining different research designs: (1) Randomized Controlled Trails; (2) Prognostic Studies; (3) Diagnostic studies; (4) Systematic Reviews and Meta analyses; (5) Clinical Practice Guidelines; (6) Outcome Measures; (7) Alternative designs. The course finally reiterate the importance of shared decision making and research ethics in the context of evidence-based practice. |
| | **Advanced Biomechanics and Kinesiology( 1704602)** | This course is designed to provide the students to with sufficient advanced theoretical and academic knowledge in laws of mechanics and kinesiology related to physical therapy applications as well as various aspects of mechanics which affect the human body. Also to enable the student to comprehend and apply this knowledge at various clinical and practical situations, like analysis of normal and pathological posture and gait, discuss the different force systems with anatomical examples from the human body, state Newton's laws and apply them on the human body, identify biomechanics of fracture fixation, applying biomechanics in sports medicine and rehabilitation, fluid mechanics, applying biomechanics in physical education finally to analyze factors affecting joint mechanics. |
| | **Functional Anatomy (1704603)** | Physical Therapist postgraduates' students are introduced to organized guided topics to develop advanced skills in the understanding and application of the Functional Anatomy of different human systems in diagnosis and treatment of different pathological conditions. The program endeavors to encourage these students to participate in research and education related to this method and to provide an understanding of the physical deficits encountered by persons with different pathological disorders. |
| | **Clinical Exercise Physiology (1704604)** | This course aims to introduce the Physiological concepts of neuromuscular, cardiovascular, respiratory, endocrine and reproductive physiology to the post graduate students as a continuation of their knowledge in the undergraduate and an implementation to other pre-requisite courses in the Master of Science in Physical Therapy. |

| | Course Name | Description |
|---|---|---|
| **Level 2** | **Advanced Theories in Cardiopulmonary Physical Therapy (1704661)** | This course will enable the student to<br>- Understand and recognize new strategies and advancements in physical therapy utilized for the management of pulmonary, cardiac and some metabolic disorders and its surgeries.<br>- Develop a far reaching and a compelling helpful and rehabilitative projects for cardiopulmonary field<br>- Identify advanced physiological basis in using of different treatment methods.<br>- Determine suitable exercise based on physiologic mechanism for patients experiencing chest diseases, cardiovascular or metabolic disorders for treatment.<br>- Modify the treatment plan as needed for ICU patients and re-arrange problems' solving priorities according to surrounding modifiable events during treatment. |
| | **Advanced Evaluations in Cardiopulmonary Physical Therapy (1704662)** | This course aims to develop an advanced approach in the area of physical therapy management of cardiopulmonary and peripheral vascular conditions across lifespan and in different work settings. It builds on the foundation in cardiopulmonary physical therapy acquired through undergrad education, and facilitates lifelong learning to develop advanced knowledge, skills and attitudes in cardiopulmonary physical therapy practice.<br>This course is designed to provide opportunities, by which the students develop an advanced level of integration of theoretical knowledge, practical and clinical skills in the evaluation of patients with cardiopulmonary and peripheral vascular disorders. |
| | **Research Seminars and Clinical Decision Making in Cardiopulmonary Physical Therapy (1704663)** | This course is intended to gets physical therapist ready to differentiate between appropriate treatments modalities concerning rehabilitation for workers. Also, This course explains different new chest physical therapy techniques and how to prescribe exercises in cardiovascular/respiratory disorders. |

| | Course Name | Description |
|---|---|---|
| **Level 3** | **Research Methodology in Physical Therapy (1704605)** | Research Methodology course will provide an opportunity for post graduate students to establish or advance their understanding of research through critical exploration of research language, ethics, and approaches. The course introduces the language of research, ethical principles and challenges, and the elements of the research process within quantitative, qualitative and mixed method approaches. Research students will use these theoretical underpinnings to begin to critically review literature relevant to their field or interests and determine how research findings are useful in forming their understanding of their work, local and global environment. |
| | **Biostatistics and Experimental Design (1704606)** | To provide students with the knowledge and skills about basic biostatistical concepts and applications to be utilized in research projects. The course provides overview of basic theoretical concepts (e.g. sampling error, confidence intervals) and applications of descriptive and inferential statistical analyses for different study designs. |
| | **Advanced Clinical Practice (Cardiopulmonary) I (1704664)** | This course aims to develop an advanced approach in the area of evidence-based physical therapy clinical practice in cardiopulmonary and peripheral vascular conditions across lifespan and in different work settings. It builds on the foundation in cardiopulmonary physical therapy acquired through undergraduate education.This course is designed to provide opportunities, by which the students develop an advanced level of integration of evidence-based practical knowledge and clinical skills in the management of patients with cardiopulmonary and peripheral vascular disorders. The student will acquire advanced skills and clinical practice based on the updated theoretical and academic knowledge in the field of physical therapy for cardiopulmonary and peripheral vascular disorders. |

| | Course Name | Description |
|---|---|---|
| **Level 4** | **Research Project (1704607)** | This course provides the principles of scientific methods of research and its application to physical therapy to enable students to develop their skills in selecting and defining research problems for developing criteria for scientific research. Students will critically evaluate selected articles and they will be divided into groups for supervised and directed research project. This course also offers students the opportunity to develop their clinical or practical experience in special areas of interest to physical therapy, design, perform, and present a related research project. The work involved in this course will be supervised and guided by faculty. |
| | **Advanced Clinical Practice (Cardiopulmonary Health) II (1704665)** | This course aims to develop an advanced approach in the area of evidence-based physical therapy clinical practice in cardiopulmonary and peripheral vascular conditions across lifespan and in different work settings. It builds on the foundation in cardiopulmonary physical therapy acquired through undergraduate education.This course is designed to provide opportunities, by which the students develop an advanced level of integration of evidence-based practical knowledge and clinical skills in the management of patients with cardiopulmonary and peripheral vascular disorders. The student will acquire advanced skills and clinical practice based on the updated theoretical and academic knowledge in the field of physical therapy for cardiopulmonary and peripheral vascular disorders. |

## Surgery and Oncology Track

| | Course Name | Description |
|---|---|---|
| **Level 1** | **Evidence-Based Practice in Physical Therapy ( 1704601)** | This course will commence with a critical review of the forms of evidence that underpin professional practice in physical therapy and rehabilitation sciences. The concept of evidence-based practice will be analyzed and its impact on practice evaluated, including an examination of the barriers to using evidence in practice. The course is focused on finding, appraising, and applying evidence into own clinical practice. The course provides students with practical skills in creating clinical question and searching online databases to find research articles. The course is then concentrated on examining different research designs: (1) Randomized Controlled Trails; (2) Prognostic Studies; (3) Diagnostic studies; (4) Systematic Reviews and Meta analyses; (5) Clinical Practice Guidelines; (6) Outcome Measures; (7) Alternative designs. The course finally reiterate the importance of shared decision making and research ethics in the context of evidence-based practice. |
| | **Advanced Biomechanics and Kinesiology( 1704602)** | This course is designed to provide the students to with sufficient advanced theoretical and academic knowledge in laws of mechanics and kinesiology related to physical therapy applications as well as various aspects of mechanics which affect the human body. Also to enable the student to comprehend and apply this knowledge at various clinical and practical situations, like analysis of normal and pathological posture and gait, discuss the different force systems with anatomical examples from the human body, state Newton's laws and apply them on the human body, identify biomechanics of fracture fixation, applying biomechanics in sports medicine and rehabilitation, fluid mechanics, applying biomechanics in physical education finally to analyze factors affecting joint mechanics. |
| | **Functional Anatomy (1704603)** | Physical Therapist postgraduates' students are introduced to organized guided topics to develop advanced skills in the understanding and application of the Functional Anatomy of different human systems in diagnosis and treatment of different pathological conditions. The program endeavors to encourage these students to participate in research and education related to this method and to provide an understanding of the physical deficits encountered by persons with different pathological disorders. |
| | **Clinical Exercise Physiology (1704604)** | This course aims to introduce the Physiological concepts of neuromuscular, cardiovascular, respiratory, endocrine and reproductive physiology to the post graduate students as a continuation of their knowledge in the undergraduate and an implementation to other pre-requisite courses in the Master of Science in Physical Therapy. |

| | Course Name | Description |
|---|---|---|
| **Level 2** | **Burn and Plastic Surgery Rehabilitation (1704671)** | This course will enable the student to<br>- Describe the pathology associated with skin and soft tissue burns.<br>- Examine a patient with burns considering specific factors related to burn injury such as burn etiology, burn depth, and burn size.<br>- Evaluate a patient with burns in preparation for planning interventions.<br>- Understand and perform functional assessment for burn patients.<br>- Use traditional and new tools of assessment for burn patients<br>- Explain interventions for patients with burn injuries, including those directed at wound healing and rehabilitation management.<br>- Describe the consequences of and interventions for scarring after burn injury.<br>- Presented with a clinical case, analyze the clinical findings, propose goals of treatment, and develop a plan of care. |
| | **Wound Management (1704672)** | This course will enable the student to<br>- Interpret biological sequences of wound healing.<br>- Evaluate different wound dimensions with traditional and new methods of measurement techniques.<br>- Explain management for wound exudation as well as infected necrotic wounds, including those directed at wound healing and rehabilitation management.<br>- Describe the traditional and advanced ways for management of patient with wounds<br>- Determine and apply new trends methods for assessment and treatment of wound.<br>- Discuss the physical therapy role in rehabilitation of different wounds.<br>- Select the appropriate and, the applicable modalities convenient to patients with wounds, taking in account the cause of the injury, according to individual variations in order to achieve the predetermined goals. |
| | **General and Oncological Surgery Rehabilitation (1704673)** | This course is designed to advance the students' expertise in the knowledge, examination, evaluation, diagnosis, prognosis, intervention, and management of patients in surgery physical therapy. It is expected that the student will gain an in-depth understanding of the science underlying clinical techniques and evidence based practice. Students are also expected to perform re-examinations, measure patient outcomes, and modify interventions accordingly. |

| | Course Name | Description |
|---|---|---|
| **Level 3** | **Research Methodology in Physical Therapy (1704605)** | Research Methodology course will provide an opportunity for post graduate students to establish or advance their understanding of research through critical exploration of research language, ethics, and approaches. The course introduces the language of research, ethical principles and challenges, and the elements of the research process within quantitative, qualitative and mixed method approaches. Research students will use these theoretical underpinnings to begin to critically review literature relevant to their field or interests and determine how research findings are useful in forming their understanding of their work, local and global environment. |
| | **Biostatistics and Experimental Design (1704606)** | To provide students with the knowledge and skills about basic biostatistical concepts and applications to be utilized in research projects. The course provides overview of basic theoretical concepts (e.g. sampling error, confidence intervals) and applications of descriptive and inferential statistical analyses for different study designs. |
| | **Advanced Clinical Practice (Surgery) I (1704674)** | This course is designed to provide opportunities by which the students develop a level of integration between theoretical knowledge and skills in physical therapy evaluation and treatment of actual patients with Burn and General surgery in out-patient's physical therapy departments as well as in-patient's burn and general surgery department. The student will acquire sufficient skills and experiences in clinical practice based on the theoretical and academic knowledge in the field of physical therapy for the common burn injuries, skin graft , hand injuries , Mastectomy and general surgical conditions that enables the candidate to deal with any patient referred from any of the previous department to apply the basic manual skills and special electrotherapy instruments necessary for evaluation of different problems; |

| | Course Name | Description |
|---|---|---|
| **Level 4** | **Research Project (1704607)** | This course provides the principles of scientific methods of research and its application to physical therapy to enable students to develop their skills in selecting and defining research problems for developing criteria for scientific research. Students will critically evaluate selected articles and they will be divided into groups for supervised and directed research project. This course also offers students the opportunity to develop their clinical or practical experience in special areas of interest to physical therapy, design, perform, and present a related research project. The work involved in this course will be supervised and guided by faculty. |
| | **Advanced Clinical Practice (Surgery Health) II (1704675)** | This course is designed to provide opportunities by which the students develop a level of integration between theoretical knowledge and skills in physical therapy evaluation and treatment of actual patients with Burn and General surgery in out-patient's physical therapy departments as well as in-patient's burn and general surgery department. The student will acquire sufficient skills and experiences in clinical practice based on the theoretical and academic knowledge in the field of physical therapy for the common burn injuries, skin graft , hand injuries , Mastectomy and general surgical conditions that enables the candidate to deal with any patient referred from any of the previous department to apply the basic manual skills and special electrotherapy instruments necessary for evaluation & treatment of different problems |

## Clinical Electrophysiology Track

| | Course Name | Description |
|---|---|---|
| **Level 1** | **Evidence-Based Practice in Physical Therapy ( 1704601)** | This course will commence with a critical review of the forms of evidence that underpin professional practice in physical therapy and rehabilitation sciences. The concept of evidence-based practice will be analyzed and its impact on practice evaluated, including an examination of the barriers to using evidence in practice. The course is focused on finding, appraising, and applying evidence into own clinical practice. The course provides students with practical skills in creating clinical question and searching online databases to find research articles. The course is then concentrated on examining different research designs: (1) Randomized Controlled Trails; (2) Prognostic Studies; (3) Diagnostic studies; (4) Systematic Reviews and Meta analyses; (5) Clinical Practice Guidelines; (6) Outcome Measures; (7) Alternative designs. The course finally reiterate the importance of shared decision making and research ethics in the context of evidence-based practice. |
| | **Advanced Biomechanics and Kinesiology( 1704602)** | This course is designed to provide the students to with sufficient advanced theoretical and academic knowledge in laws of mechanics and kinesiology related to physical therapy applications as well as various aspects of mechanics which affect the human body. Also to enable the student to comprehend and apply this knowledge at various clinical and practical situations, like analysis of normal and pathological posture and gait, discuss the different force systems with anatomical examples from the human body, state Newton's laws and apply them on the human body, identify biomechanics of fracture fixation, applying biomechanics in sports medicine and rehabilitation, fluid mechanics, applying biomechanics in physical education finally to analyze factors affecting joint mechanics. |
| | **Functional Anatomy (1704603)** | Physical Therapist postgraduates' students are introduced to organized guided topics to develop advanced skills in the understanding and application of the Functional Anatomy of different human systems in diagnosis and treatment of different pathological conditions. The program endeavors to encourage these students to participate in research and education related to this method and to provide an understanding of the physical deficits encountered by persons with different pathological disorders. |
| | **Clinical Exercise Physiology (1704604)** | This course aims to introduce the Physiological concepts of neuromuscular, cardiovascular, respiratory, endocrine and reproductive physiology to the post graduate students as a continuation of their knowledge in the undergraduate and an implementation to other pre-requisite courses in the Master of Science in Physical Therapy. |

| | Course Name | Description |
|---|---|---|
| **Level 2** | **Electrodiagnosis for Physical Therapists (1704681)** | This course introduces the graduate to observe record, analyze, and interpret the bioelectric muscle and nerve potentials, detected by means of surface or needle electrodes, for the purpose of evaluating the integrity of the neuromuscular system. Electrodiagnosis encompass electrodiagnostic testing, which includes clinical needle electromyography, motor and sensory nerve conduction studies, and other evoked potential procedures. The professional education of the physical therapist provides the knowledge base for the independent performance of electrophysiologic examinations and evaluations and includes clinical reasoning, differential diagnosis, and clinical practice experience |
| | **Objective Evaluation in Physical Therapy. (1704682)** | This course is designed for the graduate student who wants to acquire an understanding of objective measurement methods and health status measurement to complement and enhance clinical practice and take research roles which involve measurement. The course introduces the graduate to the processes of data acquisition using objective ways of evaluation through instruments which provide quantitative as well as qualitative data. These objective ways evaluate the peripheral and spinal range of joint motion and muscle strength of the upper, lower and spine. In addition, it provides a way to practice innovative techniques used to evaluate the posture for the presence of any postural deformities. It helps the graduate to use a diagnostic ultrasound for the musculoskeletal system evaluation. |
| | **Electrophysical Agents in Rehabilitation (1704683)** | This course is designed to provide opportunities, by which the students develop a level of integration of theoretical knowledge of different electrophysical agents and their practical application in the rehabilitation field in order to use these agents and explain their therapeutic purposes with stress on therapeutic advantages, disadvantages, indications, contraindications, precautions and safety rules. The aim of the course is to build up knowledge and skills necessary for the utilization of electrophysical modalities and to be capable of using advanced electronic machinery in conducting different techniques of electrophysical modalities necessary for competent practice and lifelong professional development. |

| | Course Name | Description |
|---|---|---|
| **Level 3** | **Research Methodology in Physical Therapy (1704605)** | Research Methodology course will provide an opportunity for post graduate students to establish or advance their understanding of research through critical exploration of research language, ethics, and approaches. The course introduces the language of research, ethical principles and challenges, and the elements of the research process within quantitative, qualitative and mixed method approaches. Research students will use these theoretical underpinnings to begin to critically review literature relevant to their field or interests and determine how research findings are useful in forming their understanding of their work, local and global environment. |
| | **Biostatistics and Experimental Design (1704606)** | To provide students with the knowledge and skills about basic biostatistical concepts and applications to be utilized in research projects. The course provides overview of basic theoretical concepts (e.g. sampling error, confidence intervals) and applications of descriptive and inferential statistical analyses for different study designs. |
| | **Advanced Clinical Practice (Clinical Electrophysiology) I (1704684)** | These "selected topics in rehabilitation science" course is designed to allow the development of courses that cover the leading edge of thinking about specific topics/issues in rehabilitation science. The specific topics will be developed in response to needs identified by faculty, department or students. This course is designed for graduate student providing selected topics of interest within physical rehabilitation specialty areas. Particular attention is given to topics of importance on evidence-based strategies in physical therapy. The course highlights advance in knowledge in non-pharmacological management of pain and rehabilitation of different specialties in the physical therapy field. It covers assessment, treatment, outcome measurements, and basic understanding of recovery of functions. |

| | Course Name | Description |
|---|---|---|
| **Level 4** | **Research Project (1704607)** | This course provides the principles of scientific methods of research and its application to physical therapy to enable students to develop their skills in selecting and defining research problems for developing criteria for scientific research. Students will critically evaluate selected articles and they will be divided into groups for supervised and directed research project. This course also offers students the opportunity to develop their clinical or practical experience in special areas of interest to physical therapy, design, perform, and present a related research project. The work involved in this course will be supervised and guided by faculty. |
| | **Advanced Clinical Practice (Clinical Electrophysiology) II (1704685)** | These "selected topics in rehabilitation science" course is designed to allow the development of courses that cover the leading edge of thinking about specific topics/issues in rehabilitation science. The specific topics will be developed in response to needs identified by faculty, department or students. This course is designed for graduate student providing selected topics of interest within physical rehabilitation specialty areas. Particular attention is given to topics of importance on evidence-based strategies in physical therapy. The course highlights advance in knowledge in non-pharmacological management of pain and rehabilitation of different specialties in the physical therapy field. It covers assessment, treatment, outcome measurements, and basic understanding of recovery of functions. |

## Advanced clinical practice

Advanced clinical practice is an essential component of the postgraduate physical therapy plan of study. All students are required to participate in the clinical training courses in the assigned area of the physical therapy. Student will be supervised by a faculty member or experts physical therapist in the assigned area who will be serves as clinical instructor.

- Student must follow clinical education site's regulations and procedures.
- Student must demonstrate effective communication with clinical coordinator, colleagues, patients/caregivers and all other professional in health.
- Student must display a commitment to professional development and seeks opportunities to learn.
- Student must demonstrate teamwork abelites and respect other's cultural differences.

## Graduation requirements

- Complete all required courses of the study plan with a minimum grade of (Very Good).
- Master students graduate based only on the GPA of the degree courses.
- Student most adhere to the university, collage and department policies and regulations.

## Classroom and Lab regulation

All students should adhere to the following Classroom and Lab regulation and show respectful and a professional behavior to colleagues, faculty member and staff and follow instructions provided by faculty member.

- Food and drink are not permitted into classrooms or labs.
- Use cell phone or any type of electronic devices during the lectures, labs, or clinical placement is not allowed
- Using the electronic device to take photos of other student, faculty member or staff on all university campus without permission is strictly prohibited.
- Student should keep the classroom and labs area clean and return the used equipments and chairs to its proper place.
- Student must dispose the trash in the waste cans located in the classrooms and labs.
- Student must switch off electricity and Air conditioning before leaving the labs.
- Smoking is not allowed on all department facilities.
- Student should report any accident in the labs or breakage of equipment to the responsible faculty member.

## Student Counseling Services

- Office Hours: There is a schedule for office hours for each faculty member provided to the students at the beginning of each semester for academic, career, psychological and social counseling and advices.

- Head of Department Meetings: Students are encouraged at the beginning of each academic year to reach out to the Head of Department for any concerns or consultations via:
    - An appointment using this link https://uqu.edu.sa/fameds/App/Appointments#2150
    - Email: dpt@uqu.edu.sa

- Academic advisors are shown in student's online portal and can be reached via email using this directory: https://uqu.edu.sa/dpt/App/Instructors

## Academic advisors

In the beginning of the academic year each student will be assigned to a faculty member to serve as her/his academic advisor. The purpose of the academic advisors is to help student to adapt with the university community and assist students in identifying their educational, career, and personal goals.

Advisor Responsibilities to the Student:

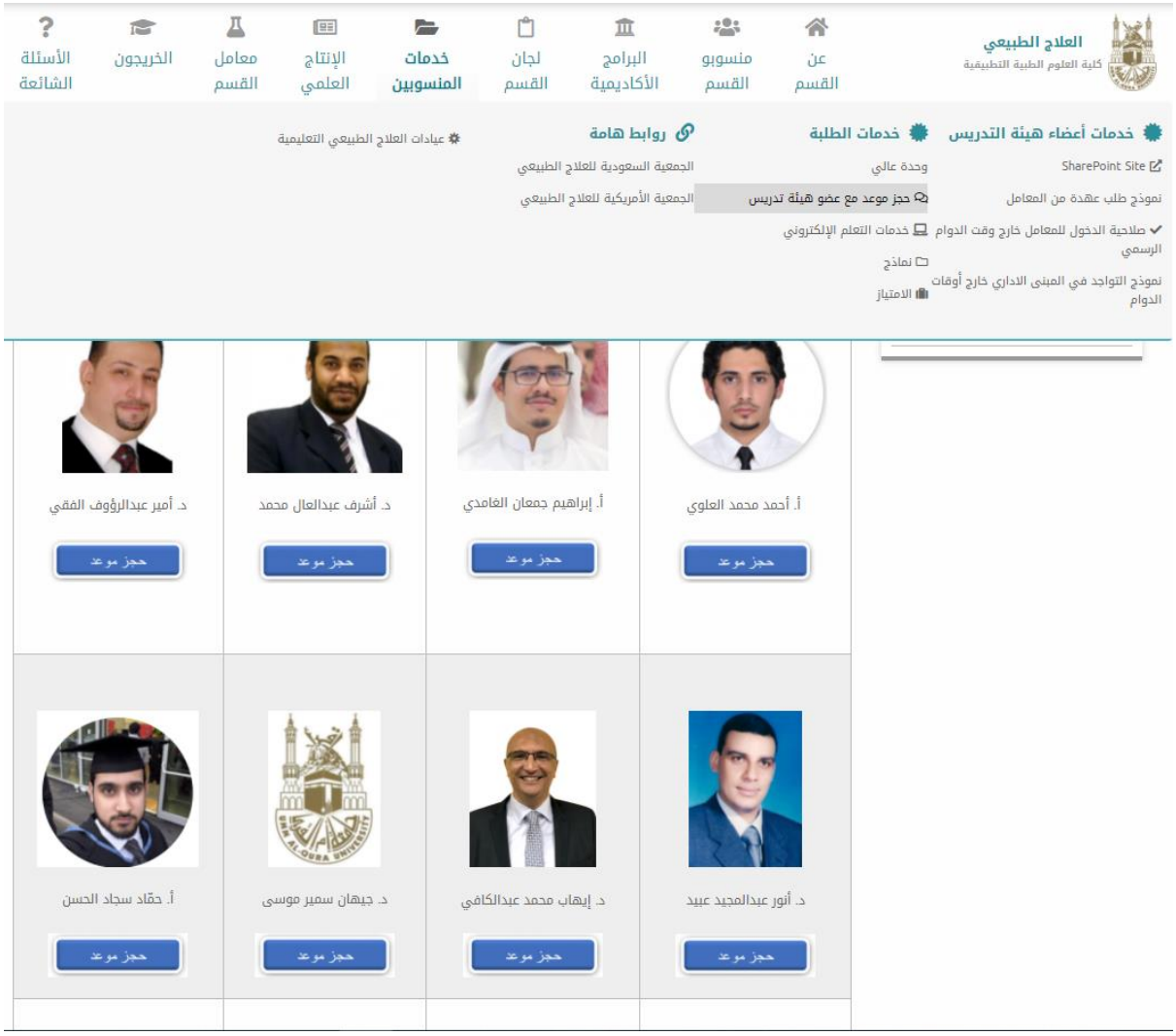
- Prepare a file for each student and must include the following:
    - Student information
    - Updated transcripts
    - Student's semester schedule
    - Medical and psychological health information
    - Vaccination statues
    - Challenges and Difficulties facing student
- Meet the student on regular basis (at least three time during semester) during the office hours.
- Provide student with an orientation to university and department facilities
- Introduce the student to the university, collage, and program graduation requirements
- Inform the student about the academic and university policies and regulations
- Provide guidance for student's how need to overcoming their weaknesses and resolving problems related to their progress.
- Provide students with adding, dropping and withdrawal scheduling date announced by deanship of admission and registration
- Assist student in make appropriate choice related to their academic progress.
- Provide additional regular meeting for student who is academically struggling.
- Keep a record for each student that includes information of student meetings, academic progress, and administrative-related issue.

## Appointment with faculty member

Students can schedule an appointment with a faculty member to discuss any of the academic related issues.

The process for scheduling an appointment with department faculty is as follows:

- Log in to https://uqu.edu.sa/en
- Go to Collage of applied medical science website > academic department > Physical Therapy department
- Click on book an appointment with a faculty member that can be found under the *Affiliate Service Section (figure below)*
- Select faculty member you would like to set an appointment with and click on schedule appointment.
- Select preferred time and date then complete the scheduling form.
- Once scheduling process completed you will receive a confirmation e-mail.



# STUDENT LEARNING RESOURCE

## Student Resource list

The faculty members will prepare and provide the student with the relevant scientific materials and rescores related to their courses. In additional, the deanship of library affairs provides the student with up-to-date reference and resources to complement the learning process. The deanship of library affairs website is offering a variety of learning rescores services to the students include the following:

- King Abdullah Library

King Abdullah bin Abdul-Aziz Library at Umm Al-Qura University is a scientific, cultural, educational and social institution that aims to collect and develop information sources in various ways (purchases, dedications, exchanges, donations), and organize and restore them in the shortest possible time. It also aims to present these sources to the community of beneficiaries through a combination of traditional services, such as borrowing, references, periodicals, photocopying, and modern services, including ongoing briefings, selective broadcasting of information, and other specialized services. All these services are provided by efficient human cadres who are qualified, scientifically and technically, in the field of library and information science. Guidebooks and Instructions on the E-Services Offered by King Abdullah Library is available at the deanship of library affairs website.

For more information about king Abdullah library locations and working hours please contact the deanship of library affairs via E-mail:

King Abdullah University Library (Female Section) :
libg@uqu.edu.sa
Deanship of Library Affairs:
Lib@uqu.edu.sa

- Saudi Digital library and database

The Saudi Digital library and other database It is a great information rescores that cover various fields of knowledge which complement the educational process by providing the students with up-to-date references. Guidebooks and instructions about how to access the database and Information resources can be found on the deanship of library affairs website.

- E-Services Offered by the Library

The deanship of library affairs is offering electronic services include:

  - Borrowing Service
  - Scientific Theses and Research Project Services
  - Scientific Theses and Research Project Services
  - Training and Advising Program Services
  - Booking and Visits Services
  - Supporting Services

## College of applied medical science library

Female student can access the College of applied medical science library which located on College of Medicine – main campus.

**Behavioral Policy for Library Users:**

- Be quiet and do not make any noise.
- Do not abuse the property of visitors and those working in the library.
- Preserve library items, and do not abuse them in a way that damages them.
- Leave books on the table after using them, and do not return them to their shelves.
- Do not take books out illegally.
- Offer prayer in congregation at the due time.
- Do not sleep in library aisles, corners, or any other area in the building.
- Use computers and internet services for their due purposes:( learning, scientific research, and searching in information sources, library lists and database). You are not allowed to use them to watch videos, follow social media networks, read the news, and purposes other than those for which they were dedicated.
- Abide by the directions of the field supervisors: library employees and security forces.
- Library officials can ask for your university card or any official document of any visitor, at any time; and the later has no right to refuse.
- Library officials have the right to expel any visitor who does not abide by the regulations and directions.
- Negligence of the etiquette and directions stated in these executive regulations, which are also displayed in the library, is regarded as a disciplinary offense; and the one committing this should be referred to the disciplinary councils at the university, according to the applied regulations. The university submits a letter in this regard to the competent bodies.
- Abuse of library employees and security forces is a great violation of the law that should be referred directly to the President of the University for him to take the necessary action in a way that guarantees the rights of workers.

## Photocopying Service

**Photocopying Policy:**

The following materials are allowed to be copied:

- All materials bearing UQU stamp.
- A specific percentage of information sources, according to the local and international rules and regulations protecting copyright and intellectual property.
- 25 % of the scientific dissertations in a digital file format.
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The following materials are not allowed to be copied:

- Personal documents, publications, and papers.
- Lectures and handwritten notes.

- UQU scientific dissertations that cannot be published without the consent of their authors.
- Scientific dissertations on paper.
- Any other materials which cannot be copied according to the regulations of the Deanship of Library Affairs.
- Photocopying is permitted for the UQU affiliates and students, and those who are not members of the university.
- Photocopying and digital photocopying fees have to be paid in advance and in cash

# DEPARTMENT OF PHYSICAL THERAPY INFORMATION

## Faculty Contact List

| | |
|---|---|
| Dr. Mohammed S. Alghamdi | Head of of Physical Therapy Department<br>Assistant Professor in Pediatric Rehabilitation<br>E-mail: msghamdi@uqu.edu.sa |
| Dr. Ehab Mohamed Kafy | Professor in Pediatric Rehabilitation<br>E-mail: emkafy@uqu.edu.sa |
| Dr. Hayam Mahmoud Mahmoud | Professor in neurological Rehabilitation<br>E-mail: hmmehmoud@uqu.edu.sa |
| Dr. Anwar Abdelgayed Ebid | professor in Orthopedic and Burn &Surgery<br>E-mail aaebeed@uqu.edu.sa |
| Dr. Mohamed Ibrahim Salem | Professor in Orthopedic<br>E-mail: mmsalem@uqu.edu.sa |
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| Dr. Kadrya Hosny Battecha | Associate Professor in Basic science<br>E-mail: khbattecha@uqu.edu.sa |
| Dr. Gihan Samir Mousa | Associate Professor in Cardiopulmonary<br>E-mail: gsmousa@uqu.edu.sa |
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| Dr. Ashraf Abdelaal Abdelaal | Associate Professor in Cardiopulmonary Rehabilitation<br>E-mail: aaabdelaal@uqu.edu.sa |
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| Mr. Moiyad Saleh Aljehani | Lecturer in Biomechanic<br>E-mail: msjehani@uqu.edu.sa |
| Mr. Ammar Suliman Fadil | Lecturer in Basic Sciences<br>E-mail: asfadil@uqu.edu.sa |
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|---|---|
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## Staff Contact List

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| Mamdouh Azhari | Male secretary section<br>Email: mmazhari@uqu.edu.sa |
| Fatema Al Shamrani | Female secretary section<br>Email: fmashamrani@uqu.edu.sa |
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## Umm Al-Qura university – Al Abdeyah campus Map


**Physical Therapy Program Handbook Approval**

| Role | Name | Date/ Signature |
|---|---|---|
| Head of Department | Dr. Mohammed Alghamdi | November 24, 2021 |

## Handbook Versions

| Version number | Prepared by | Date |
|---|---|---|
| 1.0 | Ms. Bayan Aldhahwani | 2020 |