



MASTER OF SCIENCE IN PHYSICAL THERAPY (Non-Thesis option)



OVERVIEW

In accordance with the role of Umm Al-Qura University and the College of Applied Medical Sciences represented in the Department of Physical Therapy in the graduation of highly qualified graduates able to compete strongly in the labor market, in addition to their keenness to participate actively in achieving the goals of " 2030 vision of the Kingdom " in the field of health and what the management has developed is a high - caliber of plans and strategies to raise the level of health of individuals resulting from the upgrading of health service providers and service of these different disciplines.

The physical therapy department developed master degree in physical therapy (non- thesis option), that allows a large group of students to be enrolled in the program to increase their scientific and applied knowledge. Through this master program the department can graduate advanced scientific cadres that are qualified to carry out a scientific and practical leap in health services and to serve the community and scientific research. To obtain master degree, the student have to study for 2 years (4 levels)

Masters Tracks

1. Sports Physical Therapy
2. Pediatric Physical Therapy
3. Orthopedic Physical Therapy
4. Neurological Physical Therapy
5. Women's Health Physical Therapy
6. Cardiopulmonary Physical Therapy
7. Surgery and Oncology Physical Therapy
8. Clinical Electrophysiology in Physical Therapy

Department Mission Statement

To provide a high intellectual challenging Physical Therapy education, that based on utilizing appropriate, modern and advanced methods of teaching and learning for providing knowledgeable, competent and skilled Physical therapist, who able to apply a new advanced methods of prevention, assessments and rehabilitation for different physical disabilities to meet the current and future society needs and advance the profession through excellence in research based on Islamic values and believes.

Program Study Plan

Level	Course Code	Course Title	Required or Elective	Pre-requisite Courses	Credit Hours
Level 1	EVID1704611-3	Evidence Based Practice in Physical Therapy	Required		3
	KINE1704612-3	Advanced Biomechanics and Kinesiology	Required		3
	ANAT1704613-3	Functional Anatomy	Required		3
	PHYS1704614-3	Clinical Exercise Physiology	Required		3
Level 2	*1704621-4	*Specialty Course 1	Elective	Level 1	4
	*1704622-4	*Specialty Course 2	Elective	Level 1	4
	*1704623-4	*Specialty Course 3	Elective	Level 1	4
Level 3	*1704631-5	*Advanced Clinical Practice Specialty Course I	Elective	Level 2	5
	METH1704632-3	Research Methodology in Physical Therapy	Required	Level 2	3
	BIOS1704633-2	Biostatistics and Experimental Design	Required	Level 2	2
Level 4	*1704641-5	*Advanced Clinical Practice Specialty Course II	Elective	Level 3	5
	RESE1704642-5	Research Project	Required	Level 3	5

* Elective/Specialty Course (e.g. Sports or Pediatric or Orthopedic or Neurological or Women's Health or Cardiopulmonary or Surgery and Oncology or Clinical Electrophysiology Physical Therapy).

Type of courses	No of courses	No of units required
Required	6	17
Elective	5	22
Research Project	1	5
Total	12	44

Requirements for obtaining the degree

- Non-Thesis option
- Passing (44) study units of the master degree courses including the research project

Program Teaching Strategies:

The main teaching and learning methods for master's courses are

- Lectures.
- Assignments.
- Seminar and tutorials
- Problem solving
- Writing small research.
- Presenting visual presentations.
- Laboratory training for students on how to perform clinical examination and applying clinical tests and advanced physical examinations

The main assessment methods are

- Continuous assessment (essay, projects and lab work)
- Examination
- Other forms of assessment that includes (presentations , assignment and research)

Program Mission Statement

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.

Program Objectives

1. To prepare specialist physical therapists who are able to function as researchers and educators through dynamic academic learning experiences, patient care and scholarly activities.
2. 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.

3. To facilitate innovative thinking and scholarly activities in order to build the evidence base of clinical practice physical therapy subspecialty.
4. To train specialist physical therapists to assume leadership roles in clinics and in academia.

Program Outcomes

Knowledge

1. Identify the pathological changes and related clinical features of conditions commonly encountered by Sport injuries or Musculoskeletal, or Women's health or Neurological , or Pediatric or Cardiopulmonary or after surgery Physical Therapy with their relevant medical and surgical treatment
2. Identify clinical reasoning approaches in the selection, justification and review of appropriate treatment of Sport injuries or Musculoskeletal, or Women's health or Neurological , or Pediatric or Cardiopulmonary or after surgery disorders problems.
3. Describe research awareness and its application to physiotherapy practice

Cognitive Skills

1. Judge specific treatment plan of the Sport injuries or Musculoskeletal, or Women's health or Neurological, or Pediatric or Cardiopulmonary or after surgery patient using problem solving and clinical reasoning skills.
2. Create new techniques in evaluation and treatment of Sport injuries or Musculoskeletal, or Women's health or Neurological, or Pediatric or Cardiopulmonary or after surgery disorders problems related to the physiotherapy field

Interpersonal Skills & Responsibility

1. Evaluate professionally the different clinical cases commonly related to the Sport injuries or Musculoskeletal, or Women's health or Neurological, or Pediatric or Cardiopulmonary or after surgery problems
2. Demonstrate full responsibility for own work and cooperates fully and constructively with others in dealing with medical problems

Communication, Information Technology, Numerical

1. Communicates effectively and at appropriate levels with academic and professional audiences through informal and formal reports and presentations and academic and professional publications, including a thesis or major project report
2. Illustrate evidenced based approaches in the presentation of health promotion and preventative care programs

Psychomotor

1. Manipulate effectively physical therapy advanced and most recent tools and measuring instruments in accordance with standard guidelines.
2. Demonstrate professional, ethical and autonomous practice.
3. Employ different tools to evaluate and treat different Sport injuries or Musculoskeletal, or Women's health or Neurological, or Pediatric or Cardiopulmonary or after surgery problems

Job Tracks for the Program's Graduates:

1. Government and private Universities
2. Government and private hospitals
3. Government and private Rehabilitation centers
4. Sports clubs
5. Private clinics and research centers

Program General Structures

- Non thesis option
- Number of required units is (44) including the research project as the following

Admission Requirements for the Program

Faculty requirements

1. The applicant must be a Saudi or an official graduate if he is not a Saudi
2. The applicant must have obtained the certificate from a Saudi University or from another recognized university

3. The applicant should be good conduct and medically fit
4. Submit two scientific certificates from his professors who have already taught them
5. Approved by reference to the study of masters if he is a government employee
6. Have a score (4.5) in the English language test IELTS or equivalent to TOEFL or other

Department requirements

1. Applicants must have a bachelor's degree in physiotherapy from a university recognized by the Saudi Ministry of Education with a grade of not less than (very good).
2. One year of full-time clinical experience in a hospital or a health center or a certified health establishment if the undergraduate program does not include an advanced clinical training year (internship Year).
3. Any other requirements placed by the Board of the department, such as passing personal interview or other