

In the Name of God

Islamic Republic of Iran Ministry of Health and Medical Education Deputy Ministry for Education

Physical Therapy Degree: Master of Sciences (MSc)

Total Course Credits

- Core: 18
- Non-core (Electives): 23
- Thesis (MSc): 6

Program Description

Physical Therapy is a dynamic clinical profession that is intended to promote health and provide rehabilitation through clinical practice, education and critical inquiry. Physical Therapy students at master level are provided with different educational subjects, together with numerous academic and clinical opportunities, to develop their knowledge, skills and attitudes. They additionally develop the necessary ability to carry out professional research which is of special significance in their career.

The program is intended to provide the necessary education for clinical practice and research. The program will take more than two years, i.e. five semesters in 30 months, to be completed. The graduates can offer important services to their patients, including prevention and management of pain, repair of physical impairments and disabilities by developing a treatment plan and using different modalities, therapeutic exercises, manual therapies and other related techniques.

The main mission of the program is educating physical therapists who are proficient in research, supervision, management, consultation, promotion of health, prevention of dysfunction and provision of care, based on the latest findings in Physical Therapy in order to be able to meet the needs of the our society. As such, the program promotes the acquisition of advanced academic knowledge, skills and behaviors that are essential for a primary health care provider in a complex and continually evolving health care environment.

Admission Requirements

- Holding a bachelor degree in physical therapy awarded by one of the home or foreign universities approved by the Ministry of Health, Treatment and Medical Education
- Taking part in the MSc Entrance Examination administered by Iran's Ministry of Health and Medical Education

Expected Competencies at the End of the Program

General Competencies*

Specific Competencies and Skills

At the end of the program learners will be competent in the following skills:

- Diagnosing and treating impairments or disabilities of the clients
- Adopting leadership roles in disease prevention and health maintenance programs, rehabilitation services, management of pain and physical impairments and disabilities
- Improving and maintaining functional independence and physical performance of the client
- Ensuring the availability, accessibility, and excellence in the delivery of physiotherapy services to patients/clients across their life span;

Educational Strategies, Methods and Techniques*

Student Assessment (Methods and Types)

a) Types of assessment

- Formative (Quizzes and Mid-term)
- Summative (Final)

b) Methods of assessment

- Written, verbal, lectures

Ethical Considerations*

*Note: The related document(s) can be found at <http://hcmep.behdasht.gov.ir/>

Tables of the Courses:

Table 1. Compensatory Courses

Code of the course	Title of the course	Credits			Hours			Prerequisite or concurrent courses
		Theoretical	Practical	Total	Theoretical	Practical	Total	
01	Medical Information Systems	0.5	0.5	1	9	17	26	-
02	Medical Terminology (Specialized Language)	2	-	2	34	-	34	-
Total		2.5	0.5	3	43	17	60	


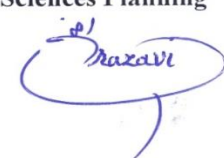
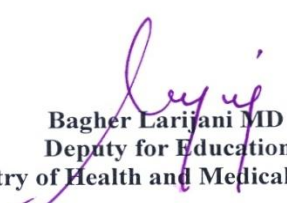
Table 2. Core Courses

Code of the course	Title of the course	Credits			Hours			Prerequisite or concurrent courses
		Theoretical	Practical	Total	Theoretical	Practical	Total	
03	Biostatistics	1	1	2	17	34	51	-
04	Research Methods in Health Systems	2	-	2	34	-	34	-
05	Evidence-Based Physiotherapy	2	-	2	34	-	34	-
06	Electroneuromyography	3	3	6	51	102	153	12
07	Familiarity with (Introduction) Laboratory Equipment Physiotherapy	-	1	1	-	34	34	-
08	Clinical Training (Practice)	-	3 clinic	3	-	153	153	-
09	Research Seminar	1	-	1	17	-	17	
10	Research Project	-	1	1	-	-	34	09
11	Thesis	-	6	6	-	34	-	09/10
Total		9	12+3	24	153	357	501	

Table 3. Non-Core Courses *

Code of the course	Title of the course	Credits			Hours			Prerequisite or concurrent courses
		Theoretical	Practical	Total	Theoretical	Practical	Total	
12	Physiology and Pathophysiology of the Neuromuscular System	2	-	2	34	-	34	-
13	Biomechanics of Extremity and Gait Disorders	2	-	2	34	-	34	-
14	Biomechanics of Spinal Disorders	2	-	2	34	-	34	-
15	Manual Therapy of Functional Disorders of the Joints of the Spine	1	1	2	17	34	51	14
16	Electrophysiology of the Central Nervous System	2	-	2	34	-	34	-
17	Motor Control	2	-	2	34	-	34	12
18	Advanced Specialized (Specific) Techniques	2	-	2	34	-	34	12
19	Pathophysiology of the Cardiovascular Pulmonary System	2	-	2	34	-	34	-
20	Exercise Physiology	2	-	2	34	-	34	-
21	Physiotherapy in Cardiopulmonary Disease	2	1	3	34	34	68	19
22	Paraclinical Diagnosis of Cardiovascular Pulmonary Disease	1	1	2	17	34	51	19
Total		20	3	23	340	102	442	

* The student should pass 8 credits of the non-core courses.

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