

**Ministry of Higher Education and Scientific Research  
Scientific Supervision and Scientific Evaluation Apparatus  
Directorate of Quality Assurance and Academic Accreditation  
Accreditation Department**



# **Academic Program for Department of Medical Rehabilitation and Physical Therapy**

**2024/2025**

## Academic Program Description Form

- **University Name:** Al-Furat Al-Awsat Technical University
- **Faculty/Institute:** College of Health & Medical Technique /Kufa
- **Scientific Department:** Medical Rehabilitation & Physiotherapy
- **Academic or Professional Program Name:** Medical rehabilitation and physical therapy techniques
- **Final Certificate Name:** Bachelor's degree in medical rehabilitation and physical therapy
- **Academic System:** Course and annual system
  - **Description Preparation Date:** 16/09/2024
  - **File Completion Date:** 16/09/2024

Signature:

Head of Department Name:

Asit. Prof. Dr. Murtadha M. Jawad

Date: 16/09/2024

Signature:

Scientific Associate Name:

Asit. Prof. Dr. Raad A. Sayel

Date: 16/09/2024

The file is checked by:

Department of Quality Assurance and University Performance

Director of the Quality Assurance and University Performance Department:

Asist. Lect. Assist. lec. Inas Kadhim alkhazraji

Date: 16/09/202

Signature:

Approval of the Dean

### **1. Program Vision**

Leadership and excellence in the field of technical education and scientific research and attention to its quality to build a knowledge society.

### **2. Program Mission**

Providing an educational and technical research environment that stimulates education and creativity that contributes to preparing highly qualified graduates, achieving effective local and international scientific twinning, and strengthening partnerships with sectors of society and international institutions in relevant fields.

### **3. Program Objectives**

- Enabling students to obtain knowledge and understanding of human anatomy and physiology.
- Enabling students to obtain knowledge and understanding of internal, neurological and surgical diseases.
- Enabling students to obtain knowledge and understanding of children's illnesses, psychological illnesses, and cases of hearing and speech impairment.
- Enabling students to obtain knowledge of physical therapy methods and therapeutic devices.

### **4. Program Accreditation**

Graduating technical personnel in physical therapy and medical rehabilitation and providing them with skills to work in treating neurological, psychological, internal medicine, surgical, hearing impairment and children's conditions.

### **5. Other external influences**

Is there a sponsor for the program?

.Ministry of Higher Education and Scientific Research

## 6. Program Structure

Program Structure	Number of Courses	Credit hours	Percentage	Reviews*
Institution Requirements	8	17		
College Requirements				
Department Requirements	49	158		
Summer Training				
Other				

\* This can include notes on whether the course is basic or optional.

## 7. Program Description

Year/Level	Course Code	Course Name	Credit Hours	
FIRST Stage			Theoretical	Practical
		Biomechanics	2	–
		Human Anatomy 1	2	4
		Human Physiology 1	2	3
		Medical Microbiology	2	4
		Clinical Biochemistry	2	4
		Computer Applications 1	1	2
		Democracy and Human rights	2	–
		English	2	–
		Kinesiology	2	
		Human Anatomy 2	2	4

		Human Physiology2	1	3
		Introduction to Physiotherapy	2	4
		Basic nursing and First aids	2	4
		Medical Physics	1	2
		Computer Applications 2	1	2
		Arabic	2	-
<b>Second Stage</b>				
		Therapeutic Exercises 1	2	4
		Therapeutic Equipment 1	2	4
		Physiotherapy for Musculoskeletal Diseases 1	2	4
		Physiotherapy for Orthopedics	2	4
		Human Anatomy 3	2	4
		Pathology	1	2
		Therapeutic Exercises 2	2	4
		Therapeutic Equipment 2	2	4
		Physiotherapy for Musculoskeletal Diseases 2	2	4
		Physiotherapy for General Surgery 1	2	4
		Human Anatomy 4	2	4
		Pharmacology	1	-
<b>Third Stage</b>				
		Physiotherapy for Musculoskeletal Diseases 3	1	4
		Physiotherapy for Sport Injuries	1	2
		Physiotherapy for Spinal Cord Injuries	1	4
		Therapeutic Exercises 3	1	4
		Therapeutic Equipment 3	2	4
		Prostheses and Orthotics	1	4
		Medical Statistics	2	-
		Computer Applications 1	1	2
		Physiotherapy for Medical Diseases	1	3
		Physiotherapy for General Surgery 2	1	3
		Physiotherapy for Neurological Diseases 1	1	4
		Therapeutic Exercises 4	1	4

		Therapeutic Equipment 4	2	3
		Amputee Rehabilitation	1	3
		Methodology	2	-
		Computer Applications 2	1	2
<b>Fourth Stage</b>				
		Physiotherapy for Cardiopulmonary Diseases	2	4
		Physiotherapy for Neurological Diseases 2	2	4
		Physiotherapy for Growth and Development of Pediatric	2	4
		Therapeutic Exercises 5	-	6
		Hearing and Speech Rehabilitation	2	3
		Health Psychology	1	2
		Radiology and Diagnostic Imaging for physiotherapy	2	-
		Physiotherapy for Neurological Diseases 3	2	4
		Physiotherapy for Pediatric Diseases	2	4
		Therapeutic exercises 6	-	6
		Psychiatry	1	3
		Professional Ethics	2	-
		Graduation Project	-	6

## 8. Expected learning outcomes of the program

Knowledge	
Enabling students to obtain knowledge and understanding of human anatomy and physiology.	The student uses physical therapy methods to treat internal, neurological and surgical diseases
Skills	
Enabling students to obtain knowledge and understanding of children's illnesses, psychological illnesses, and cases of hearing and speech impairment Enabling students to obtain knowledge and understanding of	The student uses the skills to rehabilitate psychological and mental illnesses It helps the student in rehabilitating the hearing and speech impaired The student uses physical therapy methods to treat cases of paralysis that accompany cerebrovascular injuries, cerebral

internal, neurological and surgical diseases	palsy injuries, and spinal cord injuries.
<b>Ethics</b>	
Enabling students to obtain knowledge of physical therapy methods and therapeutic devices.	Training students on the use and methods of physical therapy and medical rehabilitation in treating medical conditions

## 9. Teaching and Learning Strategies

- Applying the materials taught theoretically on the practical level and for all medical cases
- Training students on the use of physical therapy and medical rehabilitation methods in treating medical conditions
- Clinical application of physical therapy methods and methods in hospitals and rehabilitation centers.
- Conducting workshops and seminars.

## 10. Evaluation methods

- Daily and monthly exams.
- Semester and final exams.
- Grades for homework.

## 11. Faculty

### Faculty Members

Academic Rank	Specialization		Special Requirements/Skills (if applicable)		Number of the teaching staff	
	General	Special			Staff	Lecturer
	9	4			7	6

## **Professional Development**

### **Mentoring new faculty members**

Involving newcomers within the department's study plan, including workshops, seminars, and courses, as well as participating in department committees.

### **Professional development of faculty members**

Developing students' abilities by encouraging them to apply what they have learned and employing that in the field of work, encouraging them to visit the library weekly, and reviewing Sources, books, and magazines as a source of information.

## **12. Acceptance Criterion**

- Central according to the acceptance of the Ministry of Higher Education and Scientific Research
- Collimated
- The distinguished ones
- Developing health staff
- Top 10%

## **13. The most important sources of information about the program**

Refer to the college website and the university website.

## **14. Program Development Plan**

Knowing and understanding what physical therapy is and the role of physical therapy in dealing with all medical conditions.



Program Skills Outline															
				Required program Learning outcomes											
Year/Level	Course Code	Course Name	Basic or optional	Knowledge				Skills				Ethics			
				A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
First	B101	Biomechanics	Basic	√	√	√	√	√	√	√	√	√	√	√	√
	HA102	Human anatomy 1	Basic	√	√	√	√	√	√	√	√	√	√	√	√
	HP103	Human physiology 1	Basic	√	√	√	√	√	√	√	√	√	√	√	√
	MM104	Medical microbiology	optional	√	√	√	√	√	√	√	√	√	√	√	√
	CB105	Clinical biochemistry	optional	√	√	√	√	√	√	√	√	√	√	√	√
	CA106	Computer applications 1	optional	√	√	√	√	√	√	√	√	√	√	√	√
	HR107	Democracy and Human rights	optional	√	√	√	√	√	√	√	√	√	√	√	√
	EN108	English	optional	√	√	√	√	√	√	√	√	√	√	√	√
	K109	Kinesiology	Basic	√	√	√	√	√	√	√	√	√	√	√	√

	HA1010	Human anatomy 2	Basic	√	√	√	√	√	√	√	√	√	√	√	√
	HP1011	Human physiology 2	Basic	√	√	√	√	√	√	√	√	√	√	√	√
	IP1012	Introduction to physiotherapy	optional	√	√	√	√	√	√	√	√	√	√	√	√
	NF1013	Basic nursing and first aids	optional	√	√	√	√	√	√	√	√	√	√	√	√
	MP1014	Medical physics	optional	√	√	√	√	√	√	√	√	√	√	√	√
	CA1015	Computer applications 2	optional	√	√	√	√	√	√	√	√	√	√	√	√
	AL1016	Arabic language	optional	√	√	√	√	√	√	√	√	√	√	√	√
<b>Second</b>	TH EX2011	Therapeutic exercises 1	Basic	√	√	√	√	√	√	√	√	√	√	√	√
	TE209	Therapeutic equipment 1	Basic	√	√	√	√	√	√	√	√	√	√	√	√
	MD206	Physiotherapy for Musculoskeletal Diseases 1	Basic	√	√	√	√	√	√	√	√	√	√	√	√

	ORTH208	Physiotherapy for Orthopedics	Basic	√	√	√	√	√	√	√	√	√	√	√	√
	HA201	Human anatomy 3	Basic	√	√	√	√	√	√	√	√	√	√	√	√
	PA203	Pathology	optional	√	√	√	√	√	√	√	√	√	√	√	√
	CR207	The crimes of the Baath regime in Iraq	optional	√	√	√	√	√	√	√	√	√	√	√	√
		Therapeutic exercises 2	Basic	√	√	√	√	√	√	√	√	√	√	√	√
		Therapeutic equipment 2	Basic	√	√	√	√	√	√	√	√	√	√	√	√
		Physiotherapy for Musculoskeletal Diseases 2	Basic	√	√	√	√	√	√	√	√	√	√	√	√
		Physiotherapy for General Surgery 1	Basic	√	√	√	√	√	√	√	√	√	√	√	√
		Human anatomy 4	Basic	√	√	√	√	√	√	√	√	√	√	√	√

Activate Windows

		Pharmacology	optional	√	√	√	√	√	√	√	√	√	√	√	√
		Curriculum Training	Basic	√	√	√	√	√	√	√	√	√	√	√	√
<b>Third</b>		Medical Rehabilitation(2)	Basic	√	√	√	√	√	√	√	√	√	√	√	√
		Neurological Rehabilitation (2)	Basic	√	√	√	√	√	√	√	√	√	√	√	√
		Surgical Rehabilitation (2)	Basic	√	√	√	√	√	√	√	√	√	√	√	√
		Therapeutic Methods(2)	Basic	√	√	√	√	√	√	√	√	√	√	√	√
		Electrotherapy (2)	Basic	√	√	√	√	√	√	√	√	√	√	√	√
		Prosthesis and Splint	Basic	√	√	√	√	√	√	√	√	√	√	√	√
		Biostatistics and Methodology	optional	√	√	√	√	√	√	√	√	√	√	√	√
		Computer Application	optional	√	√	√	√	√	√	√	√	√	√	√	√

		Curriculum Training	Basic	√	√	√	√	√	√	√	√	√	√	√	√
		ENGLISH	optional	√	√	√	√	√	√	√	√	√	√	√	√
<b>Fourth</b>		Medical Rehabilitation(3)	Basic	√	√	√	√	√	√	√	√	√	√	√	√
		Neurological Rehabilitation (3)	Basic	√	√	√	√	√	√	√	√	√	√	√	√
		Surgical Rehabilitation (3)	Basic	√	√	√	√	√	√	√	√	√	√	√	√
		Therapeutic Methods(3)	Basic	√	√	√	√	√	√	√	√	√	√	√	√
		Speech and Hearing Rehabilitation	Basic	√	√	√	√	√	√	√	√	√	√	√	√
		Psychological Rehabilitation	Basic	√	√	√	√	√	√	√	√	√	√	√	√
		Pediatric Rehabilitation	Basic	√	√	√	√	√	√	√	√	√	√	√	√
		Project	Basic	√	√	√	√	√	√	√	√	√	√	√	√
		ENGLISH	optional	√	√	√	√	√	√	√	√	√	√	√	√

