

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



Academic Program and Course Description Guide

2026-2025

Introduction:

The educational program is a well-planned set of courses that include procedures and experiences arranged in the form of an academic syllabus. Its main goal is to improve and build graduates' skills so they are ready for the job market. The program is reviewed and evaluated every year through internal or external audit procedures and programs like the External Examiner Program.

The academic program description is a short summary of the main features of the program and its courses. It shows what skills students are working to develop based on the program's goals. This description is very important because it is the main part of getting the program accredited, and it is written by the teaching staff together under the supervision of scientific committees in the scientific departments.

This guide, in its second version, includes a description of the academic program after updating the subjects and paragraphs of the previous guide in light of the updates and developments of the educational system in Iraq, which included the description of the academic program in its traditional form (annual, quarterly), as well as the adoption of the academic program description circulated according to the letter of the Department of Studies T 3/2906 on 3/5/2023 regarding the programs that adopt the Bologna Process as the basis for their work.

In this regard, we can only emphasize the importance of writing an academic programs and course description to ensure the proper functioning of the educational process.

Concepts and terminology:

Academic Program Description: The academic program description provides a brief summary of its vision, mission and objectives, including an accurate description of the targeted learning outcomes according to specific learning strategies.

Course Description: Provides a brief summary of the most important characteristics of the course and the learning outcomes expected of the students to achieve, proving whether they have made the most of the available learning opportunities. It is derived from the program description.

Program Vision: An ambitious picture for the future of the academic program to be sophisticated, inspiring, stimulating, realistic and applicable.

Program Mission: Briefly outlines the objectives and activities necessary to achieve them and defines the program's development paths and directions.

Program Objectives: They are statements that describe what the academic program intends to achieve within a specific period of time and are measurable and observable.

Curriculum Structure: All courses / subjects included in the academic program according to the approved learning system (quarterly, annual, Bologna Process) whether it is a requirement (ministry, university, college and scientific department) with the number of credit hours.

Learning Outcomes: A compatible set of knowledge, skills and values acquired by students after the successful completion of the academic program and must determine the learning outcomes of each course in a way that achieves the objectives of the program.

Teaching and learning strategies: They are the strategies used by the faculty members to develop students' teaching and learning, and they are plans that are followed to reach the learning goals. They describe all classroom and extra-curricular activities to achieve the learning outcomes of the program.

Academic Program Description Form

University Name: Al-Furat Al-Awsat Technical University

Faculty/Institute: Al-Qadisiya Polytechnic College

Scientific Department: Medical Rehabilitation and Physiotherapy Techniques

Academic or Professional Program Name: Technical Diploma in Medical
Rehabilitation and Physiotherapy.

Final Certificate Name: Technical Diploma in Medical Rehabilitation and
Physiotherapy

Academic System: Courses

Description Preparation Date: 01/09/2025

File Completion Date: 01/09/2025

Signature:

Head of Department Name:

Dr. Nawfal Salih Dakhil

Date: 2-9-2025

Signature:

Scientific Associate Name:

Prof. Dr. Khader Majeed Allawi

Date:

The file is checked by:

Department of Quality Assurance and University Performance

Director of the Quality Assurance and University Performance Department:

Date: Asst. lecturer: Adnnad Hameed

Signature:

Approval of the Dean

Prof. Dr. Zaki Abbas Bahea

1. Program Vision

Elevating healthcare services to meet the needs of the medical labor market in our beloved homeland and driving the course of scientific research to keep pace with modern scientific progress.

2. Program Mission

To advance medical knowledge and expertise in patient rehabilitation by educating and training outstanding medical and technical staff who utilize their acquired medical rehabilitation skills to serve the community in good health.

3. Program Objectives

- Develop and implement individualized rehabilitation programs for each patient or disabled person, based on their medical condition and under the supervision of a specialized physician.
- Execute the rehabilitation program for each patient or disabled person, which includes applying physical therapy exercises and electrotherapy and thermotherapy treatments.
- Provide rehabilitation for internal medicine, surgical, fracture, and neurological cases.
- Rehabilitate patients before and after surgical interventions to ensure their self-reliance and prevent or minimize complications.
- Rehabilitate patients before and after using assistive devices or prosthetics.
- Operate, maintain, and repair electrotherapy and thermotherapy equipment used in physical therapy.

4. Program Accreditation

new department

5. Other external influences

Ministry of Higher Education and Scientific Research / Middle Technical

University

6. Program Structure

Program Structure	Number of Courses	Credit hours	Percentage	Reviews*
Institution Requirements	7	14	11	
College Requirements				
Department Requirements	23	114	89	
Summer Training	1	Fulfilled or unfulfilled		
Other				

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

7. Program Description

Year/Level	Course Code	Course Name	Credit Hours	
			Theoretical	Practical
1 st stage / 1 st semester	MRPT111-21-C	Therapeutic methods	2	6
	MRPT113-21-C	Physiology and Anatomy of skeletal system	2	6
	MRPT113-21-C	Fundamental of nursing	1	3
	MRPT112-21-C	Heat Equipment	1	3
	ATU12	Computer application (1)	1	1
	ATU13	Human Rights and Democracy	2	-
	ATU10	English for Medicine and Health Science	2	-
1 st stage / 2 nd semester	MRPT121-21-C	Therapeutic exercises	2	6
	MRPT124-21-C	Human physiology and Muscular system Anatomy	2	6
	MRPT122-21-C	Electrical & Mechanical equipment	1	3
	MRPT125-21-C	Pathology	1	3
	MRPT123-21-C	Kinesiology	1	2
	ATU11	Arabic Language	2	-

2^{ed}stage / 1st semester	MRPT211-21-C	Medical medicine	2	5
	MRPT212-21-C	Surgical medicine	2	5
	MRPT213-21-C	Neurological medicine	2	5
	MRPT214-21-C	Therapeutic Methods	1	3
	MRPT215-21-C	Prosthesis and orthosis	1	3
	MRPT216-21-C	Public health	2	
	MRPT217-21-C	Search Subject		2
	ATU21	Arabic language	2	
2^{ed}stage / 2nd semester	MRPT221-21-C	Medical Rehabilitation	2	5
	MRPT222-21-C	Surgical Rehabilitation	2	5
	MRPT223-21-C	Neurological Rehabilitation	2	5
	MRPT224-21-C	Therapeutic exercises	1	3
	MRPT225-21-C	Locomotor disease	1	2
	MRPT226-21-C	Behavior Attitude	2	
	ATU22	Computer applications (2)	1	1
	ATU24	The crimes of defunct Baath Party	2	
	MRPT211-27-C	Search Subject		2

1. Expected learning outcomes of the program

Knowledge	
1. Understanding manual, electrical and mechanical methods of physical therapy and their physiological effects 2. Knowing the different methods of physical therapy 1. Knowing the stages of manufacturing prosthetic limbs in	1. Theoretical and scientific lectures 2. Professional training within educational health centers 3. Curricular and summer training

addition to rehabilitation after 2. wearing the prosthetic limb	
Skills	
1. Acquire the skill of using various physical therapy devices 2. Acquire the skills to rehabilitate various types of diseases	1. Theoretical and scientific lectures 2. Professional training within educational health centers 3. Curricular and summer training
Ethics	
1. Identify the correct methods for diagnosing the medical condition in order to develop the appropriate rehabilitation program for the patient. 2. Know the laws of natural movement of the human body. 3. Identify the correct method for dealing with the patient.	1. Written tests 2. Discussion with the student and brainstorming 3. Continuous assessment 4. Comprehensive and written tests

2. Teaching and Learning Strategies

- Theoretical lectures
- Scientific application in laboratories and educational clinics for physical therapy
- Graduation research
- Summer and methodological training

3. Evaluation methods

- Written tests
- Scientific tests
- Continuous assessment through discussion with students

4. Faculty

Faculty Members					
Academic Rank	Specialization		Special Requirements/Skills (if applicable)	Number of the teaching staff	
	General	Special		Staff	Lecturer

Asst. Professor	Sport Therapy	Exercise & Rehabilitation Sciences			1	
Asst. Lecturer	Mechanics	Thermals			1	
Asst. Lecturer	Biology	Virology			1	
Asst. Lecturer	Biology	Physiology			1	
Asst. Lecturer	Biotechnology	Biotechnology			1	
Asst. Lecturer	College of Law	General law			1	
Asst. Lecturer	English language	English literature			1	
Asst. Lecturer	Pure Science	Computer science and mathematics			1	
Lecturer	Medical microbiology	pathogenic bacteria			1	
Asst. Lecturer	Arabic language and literature	Literature			1	

Professional Development

Mentoring new faculty members

Professional development of faculty members

Holding educational and scientific workshops and seminars

5. Acceptance Criterion

Graduates of the scientific branch, according to the rates attached in the annual student guide

6. The most important sources of information about the program

- Ministry of Higher Education and Scientific Research website
https://moheer.gov.iq/ar/home/contact_us
- Middle Euphrates Technical University website
<https://atu.edu.iq/>

- Technical Institute website in Diwaniyah
<https://idi.atu.edu.iq/>
- Orders and assignments in the institute and department

7. Program Development Plan

Working on the continuous updating of curricula to keep pace with what is followed in international curricula

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
1 st stage / 1 st semester	MRPT111-21-C	Therapeutic Methods	Basic	√					√				√		
	MRPT113-21-C	Physiology and Anatomy of the skeletal system	Basic			√							√		
	MRPT113-21-C	Fundamental of Nursing	Basic											√	
	MRPT112-21-C	Heat Equipment's	Basic	√				√				√			
	ATU12	Computer applications (1)	Basic											√	
	ATU13	Human Rights	Basic											√	
	ATU10	English Language	Basic											√	

1st stage / 2nd semester	MRPT121-21-C	Therapeutic exercises	Basic	√	√				√				√		
	MRPT124-21-C	Human physiology and anatomy of the muscular system	Basic			√							√		
	MRPT122-21-C	Electrical and thermal devices	Basic	√				√							
	MRPT125-21-C	Pathology science	Basic	√	√			√					√		
	MRPT123-21-C	Movement sciences	Basic										√		
	ATU11	اللغة العربية	Basic											√	

- Please tick the boxes corresponding to the individual program learning outcomes under evaluation.

2^{ed}stage / 1st semester	MRPT211-21-C	Medical medicine	Basic	√	√				√				√		
	MRPT212-21-C	Surgical medicine	Basic			√							√		
	MRPT213-21-C	Neurological medicine	Basic	√				√							
	MRPT214-21-C	Therapeutic Methods	Basic	√	√			√					√		
	MRPT215-21-C	Prosthesis and orthosis	Basic										√		
	MRPT216-21-C	Public health	Basic											√	
	MRPT217-21-C	Search Subject	Basic	√	√			√					√		
	ATU21	Arabic language	Basic	√	√			√					√		

2^{ed}stage / 2nd semester	MRPT221-21-C	Medical Rehabilitation	Basic	√	√				√				√		
	MRPT222-21-C	Surgical Rehabilitation	Basic			√							√		
	MRPT223-21-C	Neurological Rehabilitation	Basic	√				√							
	MRPT224-21-C	Therapeutic exercises	Basic	√	√			√					√		
	MRPT225-21-C	Locomotor disease	Basic										√		
	MRPT226-21-C	Behavior Attitude	Basic											√	
	ATU22	Computer applications (2)	Basic	√	√			√					√		
	ATU24	The crimes of defunct Baath Party	Basic	√	√			√					√		

Year / First
Semester / First

Course Description Form

1. Course Name:					
Therapeutic Methods					
2. Course Code:					
MRPT111-21-C					
3. Semester / Year:					
First course / first stage					
4. Description Preparation Date:					
1/9/2026					
5. Available Attendance Forms:					
Attendance of students of the Department of Medical Rehabilitation and Physiotherapy in classrooms in person					
6. Number of Credit Hours (Total) / Number of Units (Total)					
8×15= 120 hours/8 units					
7. Course administrator's name					
Name: Asst. Prof. Dr. Nawfal Salih Dakhil Email: nawfal.dakhil@atu.edu.iq					
8. Course Objectives					
Course Objectives		After completing the study, the graduate will be able to know the different methods of physical therapy.			
9. Teaching and Learning Strategies					
Strategy		1. Scientific lecture 2. Display of scientific pictures and films 3. Discussion			
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	Theoretical2 Practical 6	The student should know the anatomical movements and the physiological effect of massage on the digestive system.	Anatomical movements and the physiological effect of massage on the digestive system	Scientific lecture, photo presentation and scientific films	Oral and written tests

2	Theoretical2 Practical 6	To know about blood circulation	The effect of anatomical movements on the circulatory system	Scientific lecture, photo presentation and scientific films	Oral and written tests
3	Theoretical2 Practical 6	The student learns the objectives of therapeutic exercises and the physiological effect of massage.	Aims of therapeutic exercises and the physiological effect of massage	Scientific lecture, photo presentation and scientific films	Oral and written tests
4	Theoretical2 Practical 6	The student learns to measure the range of joint (angle measurement) of passive movement on the digestive system.	Joint range measurement (Goniometry) - passive movement on the digestive system	Scientific lecture, photo presentation and scientific films	Oral and written tests
5	Theoretical2 Practical 6	The student knows what active assistance exercises are + hydrotherapy exercises.	Assistant active exercises +hydrotherapy exercises	Scientific lecture, photo presentation and scientific films	Oral and written tests
6	Theoretical2 Practical 6	The student knows the effect of active movement-massage.	The effect of active movement-Massage part one	Scientific lecture, photo presentation and scientific films	Oral and written tests
7	Theoretical2 Practical 6	The student knows the effect of active movement-massage.	Free active movement-massage part two	Scientific lecture, photo presentation and scientific films	Oral and written tests
8	Theoretical2 Practical 6	The student knows the effect of active movement-massage.	Resistant active movement – massage and the patient position	Scientific lecture, photo presentation and scientific films	Oral and written tests

9	Theoretical2 Practical 6	The student knows the physiological effect of massage on the respiratory system.	Active movement-the physiological effect of massage on the respiratory system	Scientific lecture, photo presentation and scientific films	Oral and written tests
10	Theoretical2 Practical 6	The student learns to measure the joint range (angle measurement) - the physiological effect of active movement and the effect of massage on the muscular system.	Joint range measurement (Goniometry) - the physiological effect of the active movement and the effect of massage on the muscular system	Scientific lecture, photo presentation and scientific films	Oral and written tests
11	Theoretical2 Practical 6	The student learns how to perform therapeutic exercises.	Scientific film for therapeutic exercises	Scientific lecture, photo presentation and scientific films	Oral and written tests
12	Theoretical2 Practical 6	The student learns the effect of stretching on the human body's systems.	The effect of stretching on the human body systems	Scientific lecture, photo presentation and scientific films	Oral and written tests
13	Theoretical2 Practical 6	The student learns about isometric contraction and massage equipment.	Isometric contraction and massage equipment	Scientific lecture, photo presentation and scientific films	Oral and written tests
14	Theoretical2 Practical 6	The student learns the types of isometric contraction.	Isometric contraction types	Scientific lecture, photo presentation and scientific films	Oral and written tests
15	Theoretical2 Practical 6	The student learns massage using oils.	Massage oils	Scientific lecture, photo presentation and scientific films	Oral and written tests

11. Course Evaluation

The distribution of the final grade out of 100 is as follows: For theoretical lessons, the effort is 30% and the final exam is 70%. As for theoretical and practical lessons, the effort is 40% and the final exam is 60%.

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	
Main references (sources)	1. Therapeutic Exercises Foundation and Techniques Clsner and Colby. Aids to Physio Therapy, Joan Cash 2. Therapeutic Exercises for Medical and Surgical Conditions Proprioceptive Neuromuscular Facilitation Techniques, Bobath
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

Course Description Form

1. Course Name:					
Physiology and Anatomy of the skeletal system					
2. Course Code:					
MRPT113-21-C					
3. Semester / Year:					
First course / first stage					
4. Description Preparation Date:					
1/9/2026					
5. Available Attendance Forms:					
Attendance of students of the Department of Medical Rehabilitation and Physiotherapy in classrooms in person					
6. Number of Credit Hours (Total) / Number of Units (Total)					
8×15= 120 hours/8 units					
7. Course administrator's name					
Name: Assist. Lecturer. Hawraa allawi luaibi Email: hawraa.luabi@atu.edu.iq Name: Assist. Lecturer. Nidaa Fadhil Azeez Email: nedaa.azeezb.idi14@atu.edu.iq					
8. Course Objectives					
Course Objectives		After completing the study, the student will be able to: 1. Know the functions and components of the human body parts 2- Know the types of tissues, their components and functions 3- Structures of the locomotor system (bones - joints - nerves)			
9. Teaching and Learning Strategies					
Strategy		1. Scientific lecture 2. Display of scientific pictures and films 3. Discussion 4. Holding workshops and seminars			
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	Theoretical2 Practical 6	To enable students to gain knowledge and understanding of human anatomy and physiology.	Physiology definition – functions of body systems - Muscular tissue types-skeletal muscles –shapes and its nerve supply	Scientific lecture, photo presentation and scientific films	Oral and written tests Homework grades

2	Theoretical2 Practical 6	To enable students to gain knowledge and understanding of human anatomy and physiology.	Physiological Anatomy of the skeletal muscle- neuron transmission motor –end plate - motor unit-muscular contraction types- muscles impulses-muscle tone- energy sources of muscle contraction and relaxation	Scientific lecture, photo presentation and scientific films	Oral and written tests Homework grades
3	Theoretical2 Practical 6	To enable students to gain knowledge and understanding of human anatomy and physiology. To enable students to gain knowledge and understanding of human anatomy and physiology.	Muscular fatigue-muscle atrophy hypertrophy-tearing- muscle changes during contraction- Cardiac muscle and its nervous supply Smooth muscle types	Scientific lecture, photo presentation and scientific films	Oral and written tests Homework grades
4	Theoretical2 Practical 6	To enable students to gain knowledge and understanding of human anatomy and physiology.	Nervous system -Nerve fiber types-functions- nervous synapse and its physiological properties nervous system-its function - nerve cells kinds-functions- Cranial nerves-kinds-function, spinal nerves-function-types	Scientific lecture, photo presentation and scientific films	Oral and written tests Homework grades
5	Theoretical2 Practical 6	To enable students to gain knowledge and understanding of human anatomy and physiology.	Nervous system -Nerve fiber types-functions- nervous synapse and its physiological properties nervous system-its function - nerve cells kinds-functions- Cranial nerves-kinds-function, spinal nerves-function-types	Scientific lecture, photo presentation and scientific films	Oral and written tests Homework grades

6	Theoretical2 Practical 6	To enable students to gain knowledge and understanding of human anatomy and physiology.	Central and peripheral nervous system and its function-brain function-cerebrum-cerebellummedulla oblongata-upper motor neuron	Scientific lecture, photo presentation and scientific films	Oral and written tests Homework grades
7	Theoretical2 Practical 6	To enable students to gain knowledge and understanding of human anatomy and physiology.	Central and peripheral nervous system and its function-brain function-cerebrum-cerebellummedulla oblongata-upper motor neuron	Scientific lecture, photo presentation and scientific films	Oral and written tests Homework grades
8	Theoretical2 Practical 6	To enable students to gain knowledge and understanding of human anatomy and physiology.	Sympathetic and Para Sympathetic nervous system function	Scientific lecture, photo presentation and scientific films	Oral and written tests Homework grades
9	Theoretical2 Practical 6	To enable students to gain knowledge and understanding of human anatomy and physiology.	The sensory centers of the cardiac and respiratory systems	Scientific lecture, photo presentation and scientific films	Oral and written tests Homework grades
10	Theoretical2 Practical 6	To enable students to gain knowledge and understanding of human anatomy and physiology.	Reflexes and its mechanism	Scientific lecture, photo presentation and scientific films	Oral and written tests Homework grades
11	Theoretical2 Practical 6	To enable students to gain knowledge and understanding of human anatomy and physiology.	Cerebro -Spinal- fluid its propertiesand its constitution	Scientific lecture, photo presentation and scientific films	Oral and written tests Homework grades

12	Theoretical2 Practical 6	To enable students to gain knowledge and understanding of human anatomy and physiology.	paralysis types-causes	Scientific lecture, photo presentation and scientific films	Oral and written tests Homework grades
13	Theoretical2 Practical 6	To enable students to gain knowledge and understanding of human anatomy and physiology.	Red blood cells-and its constituent –the affecting factors, white blood cells numbers – kinds-functions	Scientific lecture, photo presentation and scientific films	Oral and written tests Homework grades
14	Theoretical2 Practical 6	To enable students to gain knowledge and understanding of human anatomy and physiology.	Red blood cells-and its constituent –the affecting factors, white blood cells numbers – kinds-functions	Scientific lecture, photo presentation and scientific films	Oral and written tests Homework grades
15	Theoretical2 Practical 6	To enable students to gain knowledge and understanding of human anatomy and physiology.	Blood Platelets –the mechanism of clotting - Blood groups ABO	Scientific lecture	Oral and written tests Homework grades

11. Course Evaluation

The distribution of the final grade out of 100 is as follows: For theoretical lessons, the effort is 30% and the final exam is 70%. As for theoretical and practical lessons, the effort is 40% and the final exam is 60%.

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	
Main references (sources)	1- Anatomy Atlas of Human Body by D. Abed-Al-Karem Al-Aubaidy 2- Gerard J. Tortora Bergen Community College Sandr Reynolds Grabowski Purdue University 3- Karen Kenyon BSc (Hons) . MCSP Department of physiotherapy-East Sussex Hospital NHS Trust Jonathan Kenyon BSc (Hons) . MCSP Department of physiotherapy – Brighton and Sussex University Hospital NHS Trust

	4- Structures and Function of the Human body 4 th London memmler M. D. Denn lin wood
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

Course Description Form

1. Course Name:					
Fundamental of nursing					
2. Course Code:					
MRPT112-21-C					
3. Semester / Year:					
First course / first stage					
4. Description Preparation Date:					
1/9/2026					
5. Available Attendance Forms:					
Attendance of students of the Department of Medical Rehabilitation and Physiotherapy in classrooms in person					
6. Number of Credit Hours (Total) / Number of Units (Total)					
4×15= 60 hours/4 units					
7. Course administrator's name (mention all, if more than one name)					
Name: Assist. Lecturer. Marwah Ali oudah Email: dw.mrw23@atu.edu.iq					
8. Course Objectives					
Course Objectives		1. Understand the basics of nursing care. 2. Identify basic requirements and how to communicate them. 3. Apply assessment techniques and visualize patient information. 4. Manage appropriate agricultural crops. 5. Understand the importance of effective communication with patients, their families, and members of the health care team.			
9. Teaching and Learning Strategies					
Strategy		1. Scientific lecture 2. Display of scientific pictures and films 3. Discussion			
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	Theoretical1 Practical 3	The student knows what nursing is.	Definition of nursing	Scientific lecture, photo presentation and scientific films	Oral and written tests

2	Theoretical1 Practical 3	The student knows what acceptance and exit are.	Admission and discharge	Scientific lecture, photo presentation and scientific films	Oral and written tests
3	Theoretical1 Practical 3	The student knows the vital signs (temperature-pulse)	Vital signs)temperature-pulse	Scientific lecture, photo presentation and scientific films	Oral and written tests
4	Theoretical1 Practical 3	The student knows the vital signs - breathing - blood pressure	Vital signs –breathing - blood pressure	Scientific lecture, photo presentation and scientific films	Oral and written tests
5	Theoretical1 Practical 3	The student knows the physical examination and the patient's positions during the examination.	physical examine Positions of patient during Examination	Scientific lecture, photo presentation and scientific films	Oral and written tests
6	Theoretical1 Practical 3	Student knows pressure sores - back massage	Pressure sores- Back Massage	Scientific lecture, photo presentation and scientific films	Oral and written tests
7	Theoretical1 Practical 3	Student knows rehabilitation - amputation and paralysis	Rehabilitation- Amputee and paralysis	Scientific lecture, photo presentation and scientific films	Oral and written tests
8	Theoretical1 Practical 3	The student knows what is abdominal paracentesis-thoracentesis	Abdominal paracentesis Thoracentesis	Scientific lecture, photo presentation and scientific films	Oral and written tests
9	Theoretical1 Practical 3	The student knows urinary incontinence - fecal incontinence	Urine incontinence - Stool incontinence	Scientific lecture, photo presentation and scientific films	Oral and written tests
10	Theoretical1 Practical 3	The student knows the management of medications.	Drug administration	Scientific lecture, photo presentation and scientific films	Oral and written tests

11	Theoretical1 Practical 3	The student knows nutrition.	Nutrition	Scientific lecture, photo presentation and scientific films	Oral and written tests
12	Theoretical1 Practical 3	The student knows the methods of giving oxygen.	Methods of giving oxygen	Scientific lecture, photo presentation and scientific films	Oral and written tests
13	Theoretical1 Practical 3	The student knows first aid - wounds and bleeding	First aid- Wounds & Bleeding	Scientific lecture, photo presentation and scientific films	Oral and written tests
14	Theoretical1 Practical 3	The student knows sterilization - blood transfusion	Sterilization- Blood Transfusion	Scientific lecture, photo presentation and scientific films	Oral and written tests
15	Theoretical1 Practical 3	Student knows examination - bandages and tourniquets	Examination- Dressings & Bandages	Scientific lecture, photo presentation and scientific films	Oral and written tests

11. Course Evaluation

The distribution of the final grade out of 100 is as follows: For theoretical lessons, the effort is 30% and the final exam is 70%. As for theoretical and practical lessons, the effort is 40% and the final exam is 60%.

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	
Main references (sources)	1- Bruner L.S. and Smith D. s : The Lippincottmanual of Nursing Practice, Toronto J. B. Lippincott , Co - 1974 . 2- Mohammed S. A. ed al - 1988 . Manual on Nursing Procedures
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

Course Description Form

1. Course Name:					
Heat equipment					
2. Course Code:					
MRPT112-21-C					
3. Semester / Year:					
First course 2023/2024					
4. Description Preparation Date:					
2024/10/20					
5. Available Attendance Forms:					
Attendance of students of the Department of Medical Rehabilitation and Physiotherapy in classrooms in person					
6. Number of Credit Hours (Total) / Number of Units (Total)					
4×15=60 hours/4 units					
7. Course administrator's name					
Name: Assist. Lecturer. Maryam Alaa abdulhussein Email: maryam.abdulhussein.idi6@atu.edu.iq					
8. Course Objectives					
Course Objectives		The student learns in a proficient manner how to use the thermal devices, the sites of use, the physiological effects caused by each of the physical therapy devices, and the precautions for their use.			
9. Teaching and Learning Strategies					
Strategy		1. Scientific lecture 2. Display of scientific pictures and films 3. Discussion			
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	Theoretical1 Practical 3	The student should be familiar with the devices used in physical therapy and how to deal with them in general.	Introduction in equipment of physiotherapy	Scientific lecture, photo presentation and scientific films	Scientific lecture, photo presentation and scientific films

2	Theoretical1 Practical 3	The student will learn about the physiological effects of local heat.	local heat, general effects, the physiological effects, its indication and contra-indication	Scientific lecture, photo presentation and scientific films	Oral and written tests
3	Theoretical1 Practical 3	The student should know what infrared rays are - device technology, indications for use and contraindications.	Infra-red radiation – technique, indication and contra indication	Scientific lecture, photo presentation and scientific films	Oral and written tests
4	Theoretical1 Practical 3	The student should know what a paraffin wax bath is - techniques, indications and contraindications.	Paraffin bath – technique, indication and contraindications	Scientific lecture, photo presentation and scientific films	Oral and written tests
5	Theoretical1 Practical 3	The student should know the physiological effects of the steam bath, indications for use and contraindications.	Sauna – physiological effects, indication and contraindication	Scientific lecture, photo presentation and scientific films	Oral and written tests
6	Theoretical1 Practical 3	The student should know the physiological effects of hot compresses, their indications and contraindications.	Hot pads, physiological effects, indication and contraindication	Scientific lecture, photo presentation and scientific films	Oral and written tests
7	Theoretical1 Practical 3	The student should know the physiological effects of cryotherapy, its indications and contraindications.	Cold therapy- Physiological effects, methods, indication and contraindication	Scientific lecture, photo presentation and scientific films	Oral and written tests
8	Theoretical1 Practical 3	The student should know the physiological effects of hydrotherapy, its indications and contraindications.	Hydrotherapy, physiological effects, indication and contraindication	Scientific lecture, photo presentation and scientific films	Oral and written tests

9	Theoretical1 Practical 3	The student should know the physiological effects of ultrasound, indications for use and contraindications.	Ultrasound physiological effects, indication and contraindication	Scientific lecture, photo presentation and scientific films	Oral and written tests
10	Theoretical1 Practical 3	The student should know phonophoresis, its indications and contraindications.	Phonophoresis, indication and contraindication	Scientific lecture, photo presentation and scientific films	Oral and written tests
11	Theoretical1 Practical 3	The student should know the physiological effects of ultraviolet rays, indications for use and contraindications.	Ultraviolet physiological effects, indication and contra indication	Scientific lecture, photo presentation and scientific films	Oral and written tests
12	Theoretical1 Practical 3	The student will know short waves - technical notes, physiological effects, applications.	Short wave-technical notes, physiological effects, applications	Scientific lecture, photo presentation and scientific films	Oral and written tests
13	Theoretical1 Practical 3	The student should know the short waves - indications for use and contraindications.	Short wave-indication and contraindication	Scientific lecture, photo presentation and scientific films	Oral and written tests
14	Theoretical1 Practical 3	The student should know microwave therapy, physiological effects, indications and contraindications.	Microwave diathermy, physiological effects, indication and contraindication	Scientific lecture, photo presentation and scientific films	Oral and written tests
15	Theoretical1 Practical 3	Revision	Revision	Scientific lecture, photo presentation	Oral and written tests

11. Course Evaluation

The distribution of the final grade out of 100 is as follows: For theoretical lessons, the effort is 30% and the final exam is 70%. As for theoretical and practical lessons, the effort is 40% and the final exam is 60%.

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	
Main references (sources)	1. Physiotherapy equipment technique by Dr. Tariq Al-Taweel & Abed-Almeneem Rezwkey. 2. Aids to physiotherapy by Jennifer M. Lee, England 3. Technology of electricity by Terga, India Physical Agents in Rehabilitation Michelle H. Cameron, MD, PT, OCS
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

Course Description Form

1. Course Name:					
Computer application (1)					
2. Course Code:					
ATU12					
3. Semester / Year:					
First course / first stage					
4. Description Preparation Date:					
1/9/2026					
5. Available Attendance Forms:					
Attendance of students of the Department of Medical Rehabilitation and Physiotherapy in classrooms in person					
6. Number of Credit Hours (Total) / Number of Units (Total)					
2×15= 30 hours/2 units					
7. Course administrator's name					
Name: Assist. Lecturer. Mayser Elan Abbas Email: mayser.aljubouri.dw@atu.edu.iq					
8. Course Objectives					
Course Objectives		After the end of the course, the graduate will be able to acquire skills in dealing with basic office applications, creating office files and documents, using the operating system, as well as the basics of working within the digital environment.			
9. Teaching and Learning Strategies					
Strategy		1. Scientific lecture 2. Display of scientific pictures and films 3. Discussion			
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	Theoretical1 Practical 1	The student knows the concepts of hardware and software with their components; the concept of	Introduction to Computer: Concepts of Hardware and Software with their components; Concept of	Scientific lecture	Oral and written tests

		computing, data and information; connecting input/output devices and accessories to the central processing unit.	Computing, Data and Information; Connecting input/output devices, and peripherals to CPU.		
2	Theoretical 1 Practical 1	The student understands the components of a computer: computer parts, hardware parts, input/output units, types of memory.	Computer Components: Computer Portions, Hardware Parts, I/O Units, Memory Types	Scientific lecture	Oral and written tests
3	Theoretical 1 Practical1	The student understands the components of the computer (cont.): Basic components of the CPU, Computer ports, Personal computer, Personal computer (features and types)	Computer Components (Cont.): Basic CPU Components, Computer Ports, Personal Computer, Personal Computer (Features and Types)	Scientific lecture	Oral and written tests
4	Theoretical 1 Practical 2	The student understands the operating system and the graphical user interface Graphical User Interface: Operating System; Basics of Common Operating Systems: User Interface Using Mouse Techniques	Operating System and Graphical User Interface GUI: Operating System; Basics of Common Operating Systems: The User Interface, Using Mouse Techniques	Scientific lecture	Oral and written tests
5	Theoretical 1 Practical 2	The student understands the operating system and the graphical user interface Graphical User Interface (cont.): use of common icons, status bar, use of menu and menu selection, concept of folders and directories, opening and closing different windows; creating shortcuts	Operating System and Graphical User Interface GUI(Cont.): Use of Common Icons, Status Bar, Using Menu and Menu-selection, Concept of Folders and Directories, Opening and closing of different Windows; Creating Short cuts	Scientific lecture	Oral and written tests

6	Theoretical 1 Practical 1	The student understands how to process text: the basics of word processing; basic features of word processors, opening and closing documents, creating and manipulating text; formatting text and paragraphs, using templates to create documents	Word Processing: Word Processing Basics; Basic Features of Word Processors, Opening and Closing of documents, Text creation and Manipulation; Formatting Text and Paragraphs, Using Templates for Document Creation	Scientific lecture	Oral and written tests
7	Theoretical 1 Practical1	The student understands word processing (continued): creating and managing tables, using styles and themes, spell checking and grammar tools, using headers and footers.	Word Processing (Cont.): Creating and Managing Tables, Utilizing Styles and Themes, Spell Check and Grammar Tools, Using Headers and Footers	Scientific lecture	Oral and written tests
8	Theoretical 1 Practical 1	The student understands the spreadsheet: Introduction to spreadsheet programs, creating and formatting worksheets. Sorting and filtering data using formulas and functions	Spread Sheet: Introduction to Spreadsheet Software, Creating and Formatting Worksheets. Sorting and Filtering Data, Using Formulas and Functions	Scientific lecture	Oral and written tests
9	Theoretical 1 Practical 1	The student learns how to create a spreadsheet (continued): use formulas and functions, use pivot tables to analyze data, validate data and check for errors, and visualize data: create charts and graphs.	Spread Sheet (Cont.): Using Formulas and Functions, Using Pivot Tables for Data Analysis, Data Validation and Error Checking, Data Visualization: Creating Charts and Graphs	Scientific lecture	Oral and written tests

10	Theoretical 1 Practical 1	The student gets acquainted with the presentation software: introduction to presentation software, overview of common presentation tools, creating a new presentation, using templates and themes, inserting and formatting text and images, transition effects and animations.	Presentation Software: Introduction to Presentation Software, Overview of Popular Presentation Tools, creating a New Presentation, Using Templates and Themes, Inserting and Formatting Text and Images, Transition and Animation Effects.	Scientific lecture	Oral and written tests
11	Theoretical 1 Practical 1	Learns how to use presentation software (continued): using speaker notes and timers, advanced features: hyperlinks and action buttons, troubleshooting common presentation problems, and future trends in presentation technology	Presentation Software (Cont.): Using Speaker Notes and Timers, Advanced Features: Hyperlinks and Action Buttons, Troubleshooting Common Presentation Issues, Future Trends in Presentation Technology.	Scientific lecture	Oral and written tests
12	Theoretical 1 Practical 1	The student knows an introduction to the Internet and web browsers: basic computer networks. LAN, WAN. The concept of the Internet and its applications. Connecting to the Internet.	Introduction to Internet and Web Browsers: Computer networks Basic; LAN, WAN; Concept of Internet and its Applications; connecting to internet.	Scientific lecture	Oral and written tests
13	Theoretical 1 Practical 1	The student knows Introduction to the Internet and Web Browsers (continued): World Wide Web: Web browsers and search engines. Understanding URL; Domain name; IP address.	Introduction to Internet and Web Browsers (Cont.): World Wide Web: Web Browsing software's, Search Engines; Understanding URL; Domain name; IP Address.	Scientific lecture	Oral and written tests

14	Theoretical 1 Practical 1	The student knows about communications and email: Email basics. Getting an email account and sending and receiving emails. Accessing sent emails; Using emails: Collaborating on documents	Communications and Emails: Basics of electronic mail; Getting an email account, Sending and receiving emails; Accessing sent emails; Using Emails: Document collaboration	Scientific lecture	Oral and written tests
15	Theoretical 1 Practical1	The student learns about cloud computing and services: definition and concept of cloud computing, cloud-based Office suites (Office 365 and Google Workspace), Google Docs, Google Sheets, Google Drive, and Google Meet.	Introduction to Cloud Computing and Services: Definition of Cloud Computing and its concept, Cloud-Based Office Suites (Office 365 and Google Workspace), Google Docs, Google Sheets, Google Drive, Google Meet	Scientific lecture	Oral and written tests

11. Course Evaluation

The distribution of the final grade out of 100 is as follows: For theoretical lessons, the effort is 30% and the final exam is 70%. As for theoretical and practical lessons, the effort is 40% and the final exam is 60%.

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	
Main references (sources)	أساسيات الحاسوب وتطبيقاته المكتبية – الجزء الأول والثاني / وزارة التعليم العالي والبحث العلمي – دائرة البحث والتطوير ، 2014 ، تأليف : أ.م.د. زياد محمد عبود ، أ.د. غسان حميد عبد المجيد ، أ.م.د. أمير حسين مراد ، م. بلال كمال احمد
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

Course Description Form

1. Course Name:					
Human Rights and Democracy					
2. Course Code:					
ATU11101106					
3. Semester / Year:					
First course 2023/2024					
4. Description Preparation Date:					
2024/10/20					
5. Available Attendance Forms:					
Attendance of students of the Department of Medical Rehabilitation and Physiotherapy in classrooms in person					
6. Number of Credit Hours (Total) / Number of Units (Total)					
2×15= 30 hours/2 units					
7. Course administrator's name (mention all, if more than one name)					
Name: Assist. Lecturer. Ahmed Basim Majeed Email: ahmed.mageed.idi5@atu.edu.iq					
8. Course Objectives					
Course Objectives		After the end of the course, the graduate will be able to achieve cultural progress among the people, achieve social welfare, and protect the basic freedom of the individual in general by respecting his basic rights to freedom, justice, and equality.			
9. Teaching and Learning Strategies					
Strategy		1. Scientific lecture 2. Display of scientific pictures and films 3. Discussion			
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	Theoretical2	The student learns about human rights and their goals.	Human Rights - Definition - Objectives. Roots of Human Rights and their Development in Human History - Human Rights in Ancient and Medieval Times	Scientific lecture	Oral and written tests

2	Theoretical2	The student learns about human rights in ancient civilizations, especially the civilization of Mesopotamia. Human rights in divine laws, with a focus on human rights in Islam.	Human rights in ancient civilizations, especially the civilization of Mesopotamia. Human rights in divine laws, with a focus on human rights in Islam.	Scientific lecture	Oral and written tests
3	Theoretical2	The student learns about human rights in the Middle Ages - human rights in doctrines, schools and political theories - human rights in companies and their declarations, revolutions and constitutions (English documents) The American Revolution - The French Revolution - The Russian Revolution (human rights in contemporary and modern history	Human Rights in the Middle Ages - Human Rights in Doctrines, Schools and Theories. Political - Human Rights in Corporations and Their Declarations, Revolutions and Constitutions (English Documents) American Revolution - French Revolution - Russian Revolution (Human Rights in Contemporary and Modern History - International Recognition of Human Rights since World War I and the League of Nations	Scientific lecture	Oral and written tests
4	Theoretical2	The student learns about the regional recognition of human rights - European Convention on Human Rights 1950 - American Convention on Human Rights 1969 - African Charter on Human Rights 1981 - Charter NGOs and Human Rights International Committee of the Red Cross - Amnesty International Human Rights Watch)	Regional recognition of human rights - European Convention on Human Rights 1950 - American Convention on Human Rights 1969 - African Charter on Human Rights 1981 - Charter NGOs and human rights International Committee of the Red Cross - Amnesty International Human Rights Watch	Scientific lecture	Oral and written tests

5	Theoretical2	The student learns what national human rights organizations are, human rights in Iraqi constitutions between theory and reality.	National Human Rights Organizations Human Rights in Iraqi Constitutions between Theory and Reality.	Scientific lecture	Oral and written tests
6	Theoretical2	The student learns the relationship between human rights and public freedoms: - 1- In the Universal Declaration of Human Rights. 2. In regional charters and national constitutions.	The relationship between human rights and public freedoms: - 1- In the Universal Declaration of Human Rights. 2. In regional charters and national constitutions.	Scientific lecture	Oral and written tests
7	Theoretical2	The student learns what are the necessary human rights and collective human rights. And economic, social and cultural human rights and civil and political human rights.	- Essential human rights and collective human rights. - Economic, social and cultural human rights and civil and political human rights	Scientific lecture	Oral and written tests
8	Theoretical2	The student learns what modern human rights are - the facts in development - the right to a clean environment - the right to solidarity - the right to religion.	Modern human rights - Facts in development - The right to a clean environment - The right to solidarity - The right to religion. Guarantees of respect and protection of human rights at the national level - Guarantees in the constitution and laws - Guarantees in the principle of the rule of law	Scientific lecture	Oral and written tests
9	Theoretical2	The student learns what are the guarantees in constitutional oversight - guarantees in freedom of the press and public opinion - the role of non-governmental organizations in respecting and protecting human rights.	Guarantees in constitutional oversight - Guarantees in freedom of the press and public opinion - The role of non-governmental organizations in respecting and protecting human	Scientific lecture	Oral and written tests

		Guarantees, respect and protection of human rights at the international level - the role of the United Nations organizations and their specialized agencies in providing guarantees	rights. Guarantees, respect and protection of human rights at the international level - The role of the United Nations organizations and their specialized agencies in providing guarantees		
10	Theoretical2	The student learns about regional organizations: the Arab League - the European Union - the African Union - the Organization of American States - the ASEAN Organization. General theories of freedoms - the origin of rights and freedoms - the project's position on declared rights and freedoms - the use of the term public freedoms.	The role of regional organizations: the Arab League - the European Union - the African Union - the Organization of American States - the ASEAN Organization. General theories of freedoms - the origin of rights and freedoms - the project's position on declared rights and freedoms - the use of the term public freedoms	Scientific lecture	Oral and written tests
11	Theoretical2	The student learns about the functional nature of the concept of public freedoms - philosophical considerations of functional right. Structural considerations of positive right - economic considerations and public freedoms. The legal basis of the rule of law.	The functional nature of the concept of public freedoms - Philosophical considerations of functional right. Structural considerations of positive right - Economic considerations and public freedoms. The legal basis of the rule of law	Scientific lecture	Oral and written tests
12	Theoretical2	The student learns about the organization of public freedoms by public authorities. Litigation or the non-judicial system. Civil law (employee rights and duties).	Regulation of public freedoms by public authorities. Litigation or non-judicial system. Civil law (employee rights and duties)	Scientific lecture	Oral and written tests

13	Theoretical2	The student learns what a judicial appeal is - determining the state's responsibility for its legitimate actions. The effect of the duality of the judiciary on public freedoms. Public freedoms according to administrative jurisprudence.	Judicial appeal - determining the state's responsibility for its legitimate actions. The effect of the duality of the judiciary on public freedoms. Public freedoms according to administrative jurisprudence.	Scientific lecture	Oral and written tests
14	Theoretical2	The student learns about the historical development of the concept of equality. The modern development of the idea of equality.	Historical development of the concept of equality. Modern development of the idea of equality	Scientific lecture	Oral and written tests
15	Theoretical2	The student learns what gender equality is. Equality between individuals according to their beliefs and race.	Gender equality. Equality between individuals according to their beliefs and race.	Scientific lecture	Oral and written tests

11. Course Evaluation

The distribution of the final grade out of 100 is as follows: For theoretical lessons, the effort is 30% and the final exam is 70%. As for theoretical and practical lessons, the effort is 40% and the final exam is 60%.

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	
Main references (sources)	
Recommended books and references (scientific journals, reports...)	Human Rights in the Modern Era: Between Challenges and Opportunities" by Elizabeth Harris
Electronic References, Websites	

Course Description Form

1. Course Name:	
English	
2. Course Code:	
ATU10	
3. Semester / Year:	
First course / first stage	
4. Description Preparation Date:	
1/9/2026	
5. Available Attendance Forms:	
Attendance of students of the Department of Medical Rehabilitation and Physiotherapy in classrooms in person	
6. Number of Credit Hours (Total) / Number of Units (Total)	
2×15= 30 hours/2 units	
7. Course administrator's name	
Name: Assist. Lecturer. Zaid Fouad Hashim Email: zaid.hashim@atu.edu.iq	
8. Course Objectives	
Course Objectives	After finishing of study, the graduate should be able to: Change of the position of English in the new set-up of Iraq, the aims and objectives of teaching English has naturally undergone a change. We have accepted English as a foreign language. English is, therefore, taught now as a skill, So the objectives of teaching English in this course will be the acquisition of linguistic or communicative skills. Again, to enable the student to read in English the subjects related to his specialization and to provide the opportunity to communicate with the books and magazines and foreign research
9. Teaching and Learning Strategies	
Strategy	1. Scientific lecture 2. Display of scientific pictures and films 3. Discussion

10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	Theoretical✓	Student understands medical terminology Medical language Medical terminology Spelling of medical terms Pronunciation of medical terms	Chapter One : Medical terminology Language of medicine Medical terms Spelling of medical terms Pronunciation of medical	Scientific lecture	Oral and written tests
2	Theoretical✓	The student understands how to focus on reading, develop vocabulary, focus on grammar, and oral skills.	Chapter One : Focus on reading Vocabulary development Focus on grammar Oral skill	Scientific lecture	Oral and written tests
3	Theoretical✓	The student understands how to focus on writing Pronunciation exercises Review exercises Self-assessment	Chapter One : Focus on writing Pronunciation exercise Review exercises Self-assessment	Scientific lecture	Oral and written tests
4	Theoretical✓	The student learns about suffixes Medical terminology Suffixes Focus on reading	Chapter Two : Suffixes Medical terms Suffixes Focus on reading	Scientific lecture	Oral and written tests
5	Theoretical✓	The student understands how to develop vocabulary Focus on grammar Status report Oral communication skills	Chapter Two : Vocabulary development Focus on grammar Case report Oral communication skills	Scientific lecture	Oral and written tests

6	Theoretical✓	The student learns how to focus on writing, pronunciation of medical terms, review exercises, and self-assessment.	Chapter Two : Focus on writing Pronunciation of medical terms Review exercises Self-assessment	Scientific lecture	Oral and written tests
7	Theoretical✓	The student learns prefixes Medical terminology Prefixes Focus on reading	Chapter Three : Prefixes Medical terms Prefixes Focus on reading	Scientific lecture	Oral and written tests
8	Theoretical✓	Learn how to develop vocabulary Focus on grammar Oral communication skills Focus on writing	Chapter Three : Vocabulary development Focus on grammar Oral communication skills Focus on writing	Scientific lecture	Oral and written tests
9	Theoretical✓	The student learns how to pronounce medical terms Review exercises Self-assessment	Chapter Three : Pronunciation of medical terms Review exercises Self-assessment	Scientific lecture	Oral and written tests
10	Theoretical✓	The student understands the structure of the body, the structure of the body, the main systems of the body, the levels of the body, orientations and directional terms.	Chapter Four : Body structure e Body structure Principal body systems Planes of the body Orientation and directional terms	Scientific lecture	Oral and written tests
11	Theoretical✓	Student understands body positions Body cavities Focus on reading Develop vocabulary Focus on grammar	Chapter Four : Body positions Body cavities Focus on reading Vocabulary development Focus on grammar	Scientific lecture	Oral and written tests

12	Theoretical✓	Student understands oral communication skills Focus on writing Review exercises Self-assessment	Chapter Four : Oral communication skills Focus on writing Review exercises Self-assessment	Scientific lecture	Oral and written tests
13	Theoretical✓	The student learns about the body's systems. The body's systems. Focus on reading. Developing vocabulary.	Chapter Five : Body systems Body systems Focus on reading Vocabulary development	Scientific lecture	Oral and written tests
14	Theoretical✓	Student focuses on grammar, oral communication skills, and writing focus.	Chapter Five : Focus on grammar Oral communication skills Focus on writing	Scientific lecture	Oral and written tests
15	Theoretical✓	Learn how to pronounce medical terms Review exercises Self-assessment	Chapter Five : Pronunciation of medical terms Review exercises Self-assessment	Scientific lecture	Oral and written tests

11. Course Evaluation

The distribution of the final grade out of 100 is as follows: For theoretical lessons, the effort is 30% and the final exam is 70%. As for theoretical and practical lessons, the effort is 40% and the final exam is 60%.

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	
Main references (sources)	
Recommended books and references (scientific journals, reports...)	Head way Book_level 3
Electronic References, Websites	

**Year / First
Semester /TWO**

Course Description Form

1. Course Name:					
Therapeutic exercises					
2. Course Code:					
MRPT121-21-C					
3. Semester / Year:					
First course / first stage					
4. Description Preparation Date:					
1/9/2026					
5. Available Attendance Forms:					
Attendance of students of the Department of Medical Rehabilitation and Physiotherapy in classrooms in person					
6. Number of Credit Hours (Total) / Number of Units (Total)					
8×15= 120 hours/8 units					
7. Course administrator's name					
Name: Asst. Prof. Dr. Nowfal Saleh Dakhil Email: nawfal.dakhil@atu.edu.iq					
8. Course Objectives					
Course Objectives		After finishing the study, the graduate will be able to know the different methods of physiotherapy			
9. Teaching and Learning Strategies					
Strategy		1. Scientific lecture 2. Display of scientific pictures and films 3. Discussion			
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	Theoretical 2 Practical 6	The student learns about muscle tension.	Muscles Tension	Scientific lecture, photo presentation and scientific films	Oral and written tests

2	Theoretical2 Practical 6	The student learns about isotonic contraction.	Isotonic contraction	Scientific lecture, photo presentation and scientific films	Oral and written tests
3	Theoretical2 Practical 6	The student learns about the upper limb muscle test.	Upper limb muscles testing	Scientific lecture, photo presentation and scientific films	Oral and written tests
4	Theoretical2 Practical 6	The student learns about the lower limb muscle test.	Lower limb muscles testing	Scientific lecture, photo presentation and scientific films	Oral and written tests
5	Theoretical2 Practical 6	The student learns about massage-practical application	Massage-practical application	Scientific lecture, photo presentation and scientific films	Oral and written tests
6	Theoretical2 Practical 6	The student learns about the back muscle test - practical application of massage	Back Muscle testing -practical application of massage	Scientific lecture, photo presentation and scientific films	Oral and written tests
7	Theoretical2 Practical 6	The student learns about the application of abdominal muscle test massage.	Abdominal muscle testing massage application	Scientific lecture, photo presentation and scientific films	Oral and written tests
8	Theoretical2 Practical 6	The student learns about the expressive muscle test.	Expression muscle testing	Scientific lecture, photo presentation and scientific films	Oral and written tests
9	Theoretical2 Practical 6	The student learns breathing exercises.	Breathing exercises	Scientific lecture, photo presentation and scientific films	Oral and written tests
10	Theoretical2 Practical 6	The student learns about the massage movements during breathing.	Massage movements during breathing	Scientific lecture, photo presentation and scientific films	Oral and written tests

11	Theoretical2 Practical 6	The student learns about the complications of bed rest + gait rehabilitation	Bed rest complications +walking rehabilitation	Scientific lecture, photo presentation and scientific films	Oral and written tests
12	Theoretical2 Practical 6	The student learns about mat exercises - mat exercises - indicator and contraindications	Mat exercises –Mat exercises -indication and contraindication	Scientific lecture, photo presentation and scientific films	Oral and written tests
13	Theoretical2 Practical 6	The student learns mat exercises with massage.	Mat exercises with Massage	Scientific lecture, photo presentation and scientific films	Oral and written tests
14	Theoretical2 Practical 6	The student learns about proprioceptive neuromuscular facilitation (PNF).	Proprioceptive Neuromuscular facilitation (PNF)	Scientific lecture, photo presentation and scientific films	Oral and written tests
15	Theoretical2 Practical 6	Student learns about gait rehabilitation - indications and contraindications for massage	Walking rehabilitation indication and contraindication of massage	Scientific lecture, photo presentation and scientific films	Oral and written tests

11. Course Evaluation

The distribution of the final grade out of 100 is as follows: For theoretical lessons, the effort is 30% and the final exam is 70%. As for theoretical and practical lessons, the effort is 40% and the final exam is 60%.

12. Learning and Teaching Resources

Required textbooks (curriculum books, if any)	
Main references (sources)	1. Therapeutic Exercises, Foundation and Techniques Clsner and Colby . Aids to Physio Therapy, Joan Cash 2. Therapeutic Exercises for Medical and Surgical Conditions, Proprioceptive Neuromuscular Facilitation Techniques, By Bobath. 3. Therapeutic Exercises by John V. Basmajian .
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

Course Description Form

1. Course Name:					
Human Physiology and Muscular system Anatomy					
2. Course Code:					
MRPT124-21-C					
3. Semester / Year:					
First course / first stage					
4. Description Preparation Date:					
1/9/2026					
5. Available Attendance Forms:					
Attendance of students of the Department of Medical Rehabilitation and Physiotherapy in classrooms in person					
6. Number of Credit Hours (Total) / Number of Units (Total)					
8×15= 120 hours/8 units					
7. Course administrator's name					
Name: Assist. Lecturer. Hawraa allawi luaibi Email: hawraa.luabi@atu.edu.iq Name: Assist. Lecturer. Nidaa Fadhil Azeez Email: nedaa.azeezb.idi14@atu.edu.iq					
8. Course Objectives					
Course Objectives After finishing of study, the graduate should be able to :		1- Knowing the functions and components of the human body parts 2- Knowing the Cardio-vascular system , Blood pressure 3-To know Respiratory system 4- To know Digestive system 5- Knowing Liver component and function			
9. Teaching and Learning Strategies					
Strategy		-Practical application in laboratories - Scientific lecture - Display of scientific pictures and films - Conducting workshops and seminars.			
10. Course Structure					
Week	Hours	Required Learning	Unit or subject name	Learning method	Evaluation method

		Outcomes			
1	Theoretical2 Practical 6	Enabling students to obtain knowledge and understanding of human anatomy and physiology.	Cardio-vascular system-systemic and pulmonary- Heart valves functions- cardiac cycle- heart beat – heart- heart sounds	Scientific lecture, photo presentation and scientific films	-Oral and written tests -Grades for homework
2	Theoretical2 Practical 6	Enabling students to obtain knowledge and understanding of human anatomy and physiology.	Pulse definition and location-the affecting factors, Heart rate –the affecting factors	Scientific lecture, photo presentation and scientific films	-Oral and written tests -Grades for homework
3	Theoretical2 Practical 6	Enabling students to obtain knowledge and understanding of human anatomy and physiology. Enabling students to obtain knowledge and understanding of human anatomy and physiology.	Blood pressure definition-the affecting factors –arterial pressure and the affecting factors	Scientific lecture, photo presentation and scientific films	-Oral and written tests -Grades for homework
4	Theoretical2 Practical 6	Enabling students to obtain knowledge and understanding of human anatomy and physiology.	Respiratory system-the gasses exchanged- inspiration and expiration muscles- Breathing rate and the affecting factors- effect of exercises on the breathing	Scientific lecture, photo presentation and scientific films	-Oral and written tests -Grades for homework
5	Theoretical2 Practical 6	Enabling students to obtain knowledge and	Respiratory system-the gasses exchanged-inspiration and expiration	Scientific lecture, photo presentation and scientific	-Oral and written tests -Grades for

		understanding of human anatomy and physiology.	muscles- Breathing rate and the affecting factors- effect of exercises on the breathing	films	homework
6	Theoretical2 Practical 6	Enabling students to obtain knowledge and understanding of human anatomy and physiology. Enabling students to obtain knowledge and understanding of human anatomy and physiology.	Lung ventilation- capacities –volumes – PH regulation during breathing	Scientific lecture, photo presentation and scientific films	-Oral and written tests -Grades for homework
7	Theoretical2 Practical 6	Enabling students to obtain knowledge and understanding of human anatomy and physiology.	Digestive system and the associated glands- pancreas gastro-intestinal glands – carbohydrates Digestion	Scientific lecture, photo presentation and scientific films	-Oral and written tests -Grades for homework
8	Theoretical2 Practical 6	Enabling students to obtain knowledge and understanding of human anatomy and physiology.	Digestive system and the associated glands- pancreas gastro-intestinal glands – carbohydrates Digestion	Scientific lecture, photo presentation and scientific films	-Oral and written tests -Grades for homework
9	Theoretical2 Practical 6	Enabling students to obtain knowledge and understanding of human anatomy and physiology.	Carbohydrates digestion-absorption - process	Scientific lecture, photo presentation and scientific films	-Oral and written tests -Grades for homework
10	Theoretical2 Practical 6	Enabling students to obtain knowledge and	Liver function and bladder and the digestion process-	Scientific lecture, photo presentation and scientific	-Oral and written tests -Grades for

		understanding of human anatomy and physiology.		films	homework
11	Theoretical2 Practical 6	Enabling students to obtain knowledge and understanding of human anatomy and physiology.	Urinary system –the urinary unit-function	Scientific lecture, photo presentation and scientific films	-Oral and written tests -Grades for homework
12	Theoretical2 Practical 6	Enabling students to obtain knowledge and understanding of human anatomy and physiology.	Urinary system –the urinary unit-function	Scientific lecture, photo presentation and scientific films	-Oral and written tests -Grades for homework
13	Theoretical2 Practical 6	Enabling students to obtain knowledge and understanding of human anatomy and physiology.	Acidic and alkaline balance and its effect on the blood pressure	Scientific lecture, photo presentation and scientific films	-Oral and written tests -Grades for homework
14	Theoretical2 Practical 6	Enabling students to obtain knowledge and understanding of human anatomy and physiology.	Body temperature –the center of Temperature regulation	Scientific lecture, photo presentation and scientific films	-Oral and written tests -Grades for homework
15	Theoretical2 Practical 6	Enabling students to obtain knowledge and understanding of human anatomy and physiology.	Digestive system and its accessories glands	Scientific lecture, photo presentation and scientific films	-Oral and written tests -Grades for homework

11. Course Evaluation

The distribution of the final grade out of 100 is as follows: For theoretical lessons, the effort is 30% and the final exam is 70%. As for theoretical and practical lessons, the effort is 40% and the final exam is 60%.

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	
Main references (sources)	1. Gunning Harris Anatomy Manual Practical I.II . III Anatomy Atlas of Human Body by D. Abed-Al-Karem Al-Aubaidy 2. Greys . Anatomy – 35 Edition Henry Grey PRINCIPLES OF ANATOMY AND PHYSIOLOGY NINTH EDITION, Gerard J. Tortora, Bergen Community College Sandra Reynolds Grabowski Purdue University 3. The physiotherapists ESSENTIAL FACTS AT YOUR FINGERTIPS 2nd Edition, Karen Kenyon BSc (Hons). MCSP Department of physiotherapy-East Sussex Hospital NHS Trust Jonathan Kenyon BSc (Hons). MCSP 3 Department of physiotherapy Brighton and Sussex University Hospital NHS Trust
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

Course Description Form

1. Course Name:					
Electrics & Mechanical equipment					
2. Course Code:					
MRPT122-21-C					
3. Semester / Year:					
First course / first stage					
4. Description Preparation Date:					
1/9/2026					
5. Available Attendance Forms:					
Attendance of students of the Department of Medical Rehabilitation and Physiotherapy in classrooms in person					
6. Number of Credit Hours (Total) / Number of Units (Total)					
4×15= 60 hours/4 units					
7. Course administrator's name					
Name: Assist. Lecturer. Nidaa Fadhil Azeez Email: nedaa.azeezb.idi14@atu.edu.iq					
8. Course Objectives					
Course Objectives		After finishing the study, the graduate will be able to know uses of different equipment of physiotherapy			
9. Teaching and Learning Strategies					
Strategy		1. Scientific lecture 2. Display of scientific pictures and films 3. Discussion			
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	Theoretical1 Practical 3	The student will learn about an introduction to electrical stimulation and trigger points.	Introduction in electrical stimulation and motor points	Scientific lecture, photo presentation and scientific films	Oral and written tests

2	Theoretical1 Practical 3	The student knows about transcutaneous electrical nerve stimulation (TENS), indications and contraindications.	Transcutaneous electrical nerve stimulation (TENS), indication and contraindication	Scientific lecture, photo presentation and scientific films	Oral and written tests
3	Theoretical1 Practical 3	The student learns about Interferential Current (IFC), physiological effects, indications and contraindications.	Interferential current (IFC), physiological effects, indication and contraindication	Scientific lecture, photo presentation and scientific films	Oral and written tests
4	Theoretical1 Practical 3	The student learns about ion therapy, physiological effects, indications and contraindications.	Iontophoresis, physiological effects, indication and contraindication	Scientific lecture, photo presentation and scientific films	Oral and written tests
5	Theoretical1 Practical 3	The student learns about faradic current, physiological effects, indicators and contraindications.	Faradic type current, physiological effects, indication and contraindication	Scientific lecture, photo presentation and scientific films	Oral and written tests
6	Theoretical1 Practical 3	The student learns about galvanic current, physiological effects, indications and contraindications.	Galvanic Current, physiological effects, indication and contraindication	Scientific lecture, photo presentation and scientific films	Oral and written tests
7	Theoretical1 Practical 3	The student learns about high voltage pulsed galvanic stimulation (HVPGS).	High voltage pulsed galvanic stimulation (HVPGS)	Scientific lecture, photo presentation and scientific films	Oral and written tests

8	Theoretical1 Practical 3	The student learns about dynamic currents, physiological effects, indications and contraindications.	Diadynamic currents, physiological effects, indication and contraindication	Scientific lecture, photo presentation and scientific films	Oral and written tests
9	Theoretical1 Practical 3	The student learns about Russian electrical stimulation, physiological effects, indications and contraindications.	Russian electrical stimulation, physiological effects, indication and contraindication	Scientific lecture, photo presentation and scientific films	Oral and written tests
10	Theoretical1 Practical 3	The student learns about magnetic therapy, physiological effects, indications and contraindications.	Magnetic therapy, physiological effects, indication and contraindication	Scientific lecture, photo presentation and scientific films	Oral and written tests
11	Theoretical1 Practical 3	The student learns about Extracorporeal Shock Wave Therapy (ESWT), physiological effects, indications and contraindications.	Extracorporeal shockwave therapy (ESWT), physiological effects, indication and contraindication	Scientific lecture, photo presentation and scientific films	Oral and written tests
12	Theoretical1 Practical 3	The student learns about the properties of lasers.	Introduction to the Laser-properties	Scientific lecture, photo presentation and scientific films	Oral and written tests
13	Theoretical1 Practical 3	The student learns about the physiological effects of laser, indications and contraindications.	Laser physiological effects, indication and contraindication	Scientific lecture, photo presentation and scientific films	Oral and written tests
14	Theoretical1 Practical 3	The student learns about cervical and lumbar traction - indications and contraindications.	Cervical and lumbar traction- indication and contra indication	Scientific lecture, photo presentation and scientific films	Oral and written tests

15	Theoretical1 Practical 3	The student learns about the mechanical devices used in physical therapy, indications and contraindications for their use.	Mechanical devices used in physiotherapy, indication and contra indication	Scientific lecture, photo presentation and scientific films	Oral and written tests
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11. Course Evaluation

The distribution of the final grade out of 100 is as follows: For theoretical lessons, the effort is 30% and the final exam is 70%. As for theoretical and practical lessons, the effort is 40% and the final exam is 60%.

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	
Main references (sources)	1. Physiotherapy equipment technique by Dr. Tariq Al- Taweel &Abed-Almeneem Rezwkey Aids to physiotherapy by Jennifer M. Lee ,England Technology of electricity by Terga, India
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

Course Description Form

1. Course Name:					
Pathology					
2. Course Code:					
MRPT125-21-C					
3. Semester / Year:					
First course / first stage					
4. Description Preparation Date:					
1/9/2026					
5. Available Attendance Forms:					
Attendance of students of the Department of Medical Rehabilitation and Physiotherapy in classrooms in person					
6. Number of Credit Hours (Total) / Number of Units (Total)					
4×15= 60 hours/4 units					
7. Course administrator's name					
Name: Lecturer. Dr. Meraim A. Kazaal Email: meraim.kazaal@atu.edu.iq					
8. Course Objectives					
Course Objectives		General objective: After finishing the study, the graduate will be able to know the clinical and pathological changes and its causes. Special objective: After finishing of study, the graduate should be able to know the different clinical, surgical and nervous diseases especially that related to the physiotherapy.			
9. Teaching and Learning Strategies					
Strategy		1. Scientific lecture 2. Display of scientific pictures and films 3. Discussion			
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	Theoretical1 Practical 3	The student learns about the introduction to pathology_ definition_ sub-	Introduction to Pathology- definition – Subdivisions- Techniques	Scientific lecture, photo presentation and scientific films	Oral and written tests

		sections_ techniques			
2	Theoretical1 Practical 3	The student learns about the causes of disease, causing disease, cell behavior, cell adaptation, cell injury, and cell death.	Introduction to Pathology- definition – Subdivisions- Techniques	Scientific lecture, photo presentation and scientific films	Oral and written tests
3	Theoretical1 Practical 3	The student learns about inflammation, definition, types, acute, chronic, healing, cell regeneration, factors affecting healing.	Inflammation- definition-types- acute –chronic Healing- regeneration of cells –the factors affecting on healing	Scientific lecture, photo presentation and scientific films	Oral and written tests
4	Theoretical1 Practical 3	The student learns about hemorrhagic shock - clinical significance	Shock-bleeding- clinical importance	Scientific lecture, photo presentation and scientific films	Oral and written tests
5	Theoretical1 Practical 3	The student learns about edema, hyperplasia, tumors, and atrophy.	Oedema- hypertrophy- tumors- atrophy	Scientific lecture, photo presentation and scientific films	Oral and written tests
6	Theoretical1 Practical 3	The student learns about the risk factors of blood clots, embolism, and hemodynamic disturbances.	Thrombosis-risk factors-embolism- hemodynamic disorders	Scientific lecture, photo presentation and scientific films	Oral and written tests
7	Theoretical1 Practical 3	The student learns about ligament, tendon and muscle injuries and recovery.	Ligaments - tendons-muscles injuries-recovery	Scientific lecture, photo presentation and scientific films	Oral and written tests
8	Theoretical1 Practical 3	The student learns about the classifications of fractions.	Fractures classifications	Scientific lecture, photo presentation and scientific films	Oral and written tests
9	Theoretical1 Practical 3	The student learns about fracture healing in the advanced and late stages.	Fracture healing early and delayed stages	Scientific lecture, photo presentation and scientific films	Oral and written tests
10	Theoretical1 Practical 3	The student learns about skin diseases - acne - psoriasis – infection	Skin diseases- Acne- psoriasis- sepsis	Scientific lecture, photo presentation and scientific films	Oral and written tests
11	Theoretical1 Practical 3	The student identifies an ulcer.	Ulcer	Scientific lecture, photo presentation and	Oral and written tests

				scientific films	
12	Theoretical1 Practical 3	The student learns about partial and total burns.	Burns –partial and total	Scientific lecture, photo presentation and scientific films	Oral and written tests
13	Theoretical1 Practical 3	The student learns about joint diseases - their classification - rheumatism - infectious arthritis	Joint disease- classification- rheumatism- septic arthritis	Scientific lecture, photo presentation and scientific films	Oral and written tests
14	Theoretical1 Practical 3	The student learns about soft tissue rheumatism and ankylosing spondylitis.	Soft tissue Rheumatism– ankylosing arthritis	Scientific lecture, photo presentation and scientific films	Oral and written tests
15	Theoretical1 Practical 3	The student learns about psoriatic arthritis-systemic lupus erythematosus.	Psoriasis arthropathy – systemic lupus erythematosus	Scientific lecture, photo presentation and scientific films	Oral and written tests

11. Course Evaluation

The distribution of the final grade out of 100 is as follows: For theoretical lessons, the effort is 30% and the final exam is 70%. As for theoretical and practical lessons, the effort is 40% and the final exam is 60%.

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	
Main references (sources)	1- Robbins - Pathological foundations of diseases, author - Cothran, Comer and Robbins 2- Meurs - Textbook of pathology, author - Andersen 3- Outline of pathology, author - Andersen and Scotty
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

Course Description Form

1. Course Name:					
Kinesiology					
2. Course Code:					
MRPT123-21-C					
3. Semester / Year:					
First course / first stage					
4. Description Preparation Date:					
1/9/2026					
5. Available Attendance Forms:					
Attendance of students of the Department of Medical Rehabilitation and Physiotherapy in classrooms in person					
6. Number of Credit Hours (Total) / Number of Units (Total)					
3×15= 45 hours/3 units					
7. Course administrator's name					
Name: Assist. Lecturer. Maryam Alaa abdulhussein Email: maryam.abdulhussein.idi6@atu.edu.iq					
8. Course Objectives					
Course Objectives		After finishing the study, the graduate will be able to know the laws of normal movements of the human body.			
9. Teaching and Learning Strategies					
Strategy		1. Scientific lecture 2. Display of scientific pictures and films 3. Discussion			
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	Theoretical1 Practical 2	Definition of levels and axes - Levels of action - Anatomical movements for each level - Balance - Center of gravity - Balance and stability	The planes and axis definition-planes of action-anatomical movements for each plane-equilibriumcenter of gravitybalance and stability	Scientific lecture, photo presentation and scientific films	Oral and written tests

2	Theoretical1 Practical 2	Newton's Law The student learns practical application - Newton's second law: Acceleration - Practical application - Momentum –	First Newton's law: inertia-practical application -second Newton law: acceleration-practical application-momentum	Scientific lecture, photo presentation and scientific films	Oral and written tests
3	Theoretical1 Practical 2	The student learns Newton's third law: Action - Reaction - Walking analysis - Practical application - Forces - Force composition - Work - Torque	Newton third law: action–reactionwalking analysis - practical application- forcescomposition of forces-work-moment	Scientific lecture, photo presentation and scientific films	Oral and written tests
4	Theoretical1 Practical 2	The student learns about the forces of friction.	Friction forces	Scientific lecture, photo presentation and scientific films	Oral and written tests
5	Theoretical1 Practical 2	Review	Revision	Scientific lecture, photo presentation and scientific films	Oral and written tests
6	Theoretical1 Practical 2	The student knows what the categories of levers are - practical application	Levers classes– practical application	Scientific lecture, photo presentation and scientific films	Oral and written tests
7	Theoretical1 Practical 2	The student learns about the muscular system - coordination of muscle movements - types of muscles - muscle tension - muscle length	Muscular systemcoordination actions of muscles-muscle types-muscular tension-muscular length	Scientific lecture, photo presentation and scientific films	Oral and written tests

8	Theoretical1 Practical 2	The student learns about muscle contraction - isotonic and isometric - specific muscle uses	Muscular contraction -Isotonic and isometric – specific muscle uses	Scientific lecture, photo presentation and scientific films	Oral and written tests
9	Theoretical1 Practical 2	The student understands the types of joints - the types of synovial joints - the function of synovial joints	Joint types –types of synovial joints-function of synovial joints	Scientific lecture, photo presentation and scientific films	Oral and written tests
10	Theoretical1 Practical 2	The student learns about the spine - movements of the spine - function of the spine -	Vertebral column –movements of spine-Vertebral column function	Scientific lecture, photo presentation and scientific films	Oral and written tests
11	Theoretical1 Practical 2	The student understands what spinal movements depend on, the types of vertebrae, and the range of each movement.	Vertebral column movements depend upon the vertebra types with range of each movement	Scientific lecture, photo presentation and scientific films	Oral and written tests
12	Theoretical1 Practical 2	The student understands movement skills.	Motion skills	Scientific lecture, photo presentation and scientific films	Oral and written tests
13	Theoretical1 Practical 2	The student is introduced to some clinical examples in kinesiology.	Clinical examples in kinesiology-	Scientific lecture, photo presentation and scientific films	Oral and written tests
14	Theoretical1 Practical 2	The student understands practical applications in daily life skills.	Kinesiology -practical applications in daily living skills	Scientific lecture, photo presentation and scientific films	Oral and written tests
15	Theoretical1 Practical 2	Revision	Revision	Scientific lecture, photo presentation and scientific films	Oral and written tests

11. Course Evaluation

The distribution of the final grade out of 100 is as follows: For theoretical lessons, the effort is 30% and the final exam is 70%. As for theoretical and practical lessons, the effort is 40% and the final exam is 60%.

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	
Main references (sources)	1- Biomechanics 2- Analysis of motion 3- Human Anatomy and Physiology
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

Course Description Form

1. Course Name:					
اللغة العربية					
2. Course Code:					
ATU11					
3. Semester / Year:					
First course / first stage					
4. Description Preparation Date:					
1/9/2026					
5. Available Attendance Forms:					
Attendance of students of the Department of Medical Rehabilitation and Physiotherapy in classrooms in person					
6. Number of Credit Hours (Total) / Number of Units (Total)					
2×15= 30 hours/2 units					
7. Course administrator's name					
Name: Assist. Lecturer. Mukhalad Muhammed Kadhem Email: mukhalad.kadhem.idi17@atu.edu.iq					
8. Course Objectives					
Course Objectives		الهدف العام: بعد نهاية الدرس سوف يكون الخريج قادرا على معرفة الأخطاء اللغوية واهم القواعد اللغوية الهدف الخاص: بعد نهاية الدرس سوف يكون الخريج قادرا على معرفة الأسس الصحيحة في لغة الخطاب الإداري			
9. Teaching and Learning Strategies					
Strategy		1. Scientific lecture 2. Display of scientific pictures and films 3. Discussion			
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	Theoretical2	يفهم الطالب مقدمة عن الأخطاء اللغوية –التاء المربوطة والطويلة والتاء	مقدمة عن الأخطاء اللغوية – التاء المربوطة والطويلة والتاء المفتوحة	Scientific lecture	Oral and written tests

		المفتوحة			
2	Theoretical2	يفهم الطالب قواعد كتابة الألف الممدودة والمقصورة – الحروف الشمسية والقمرية	قواعد كتابة الألف الممدودة والمقصورة – الحروف الشمسية والقمرية	Scientific lecture	Oral and written tests
3	Theoretical2	يفهم الطالب كتابة الهمزة	الضاد والطاء	Scientific lecture	Oral and written tests
4	Theoretical2	يفهم الطالب علامات الترقيم	كتابة الهمزة	Scientific lecture	Oral and written tests
5	Theoretical2	يفهم الطالب علامات الترقيم	علامات الترقيم	Scientific lecture	Oral and written tests
6	Theoretical2	يفهم الطالب الاسم والفعل والتفريق بينهما	الاسم والفعل والتفريق بينهما	Scientific lecture	Oral and written tests
7	Theoretical2	يفهم الطالب المفاعيل	المفاعيل	Scientific lecture	Oral and written tests
8	Theoretical2	يفهم الطالب العدد	العدد	Scientific lecture	Oral and written tests
9	Theoretical2	يفهم الطالب تطبيقات الأخطاء اللغوية الشائعة	تطبيقات الأخطاء اللغوية الشائعة	Scientific lecture	Oral and written tests
10	Theoretical2	يفهم الطالب النون والتنوين - معاني حروف الجر	تطبيقات الأخطاء اللغوية الشائعة	Scientific lecture	Oral and written tests
11	Theoretical2	يفهم الطالب النون والتنوين - معاني حروف الجر	النون والتنوين معاني حروف الجر	Scientific lecture	Oral and written tests
12	Theoretical2	يفهم الطالب الجوانب الشكلية للخطاب الإداري	الجوانب الشكلية للخطاب الإداري	Scientific lecture	Oral and written tests
13	Theoretical2	يفهم الطالب لغة الخطاب الإداري	لغة الخطاب الإداري	Scientific lecture	Oral and written tests
14	Theoretical2	يفهم الطالب لغة الخطاب الإداري	لغة الخطاب الإداري	Scientific lecture	Oral and written tests
15	Theoretical2	يتعرف الطالب على نماذج من المراسلات الإدارية	نماذج من المراسلات الإدارية	Scientific lecture	Oral and written tests

11. Course Evaluation

The distribution of the final grade out of 100 is as follows: For theoretical lessons, the effort is 30% and the final exam is 70%. As for theoretical and practical lessons, the effort is 40% and the final exam is 60%.

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	
Main references (sources)	
Recommended books and references (scientific journals, reports...)	الجامع الكبير في النحو والصرف - للدكتور أحمد مختار عمر: مرجع شامل في النحو والصرف. البلاغة العربية - للدكتور عبد القادر عبد الله: كتاب شامل حول علم البلاغة
Electronic References, Websites	

2^{ed} Year
Semester / First

Course Description Form

1. Course Name:					
Medical medicine					
2. Course Code:					
MRPT211-21-C					
3. Semester / Year:					
First course / 2 nd stage					
4. Description Preparation Date:					
1/9/2026					
5. Available Attendance Forms:					
Attendance of students of the Department of Medical Rehabilitation and Physiotherapy in classrooms in person					
6. Number of Credit Hours (Total) / Number of Units (Total)					
7/7					
7. Course administrator's name					
Name: karar Email:tyi.falh@gmail.com					
Course Objectives					
Course Objective		After finishing the study, the graduate will be able to know uses of different equipment of physiotherapy			
Teaching and Learning Strategies					
Strategy		1. Scientific lecture 2. Display of scientific pictures and films 3. Discussion			
13. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	Theoretical2 Practical 5	The student learns about Main principles of medical	Main principles of medical rehabilitation	Scientific lecture, photo presentation and scientific	Oral and written tests

		rehabilitation		films	
2	Theoretical2 Practical 5	The student learns about Ethics of the physiotherapy team	Ethics of the physiotherapy team	Scientific lecture, photo presentation and scientific films	Oral and written tests
3	Theoretical2 Practical 5	The student learns about Rheumatic disease	Rheumatic disease	Scientific lecture, photo presentation and scientific films	Oral and written tests
4	Theoretical2 Practical 5	The student learns about Classification of rheumatic disease	Classification of rheumatic disease	Scientific lecture, photo presentation and scientific films	Oral and written tests
5	Theoretical2 Practical 5	The student learns about Septic arthritis types and Rheumatic fever	Septic arthritis types and Rheumatic fever	Scientific lecture, photo presentation and scientific films	Oral and written tests
6	Theoretical2 Practical 5	The student learns about Low back pain	Low back pain	Scientific lecture, photo presentation and scientific films	Oral and written tests
7	Theoretical2 Practical 5	The student learns about Low back pain	Low back pain	Scientific lecture, photo presentation and scientific films	Oral and written tests
8	Theoretical2 Practical 5	The student learns about Gout and pseudogout	Gout and pseudogout	Scientific lecture, photo presentation and scientific films	Oral and written tests
9	Theoretical2 Practical 5	The student learns about Soft tissue rheumatism-synovitis	Soft tissue rheumatism-synovitis	Scientific lecture, photo presentation and scientific films	Oral and written tests
10	Theoretical2 Practical 5	The student learns about Rehabilitation of osteoporosis	Rehabilitation of osteoporosis	Scientific lecture, photo presentation and scientific films	Oral and written tests
11	Theoretical2 Practical 5	The student learns about Psoriasis signs and symptoms, Psoriasis	Psoriasis signs and symptoms, Psoriasis arthritis,	Scientific lecture, photo presentation and scientific films	Oral and written tests

		arthritis,			
12	Theoretical2 Practical 5	The student learns about Hypertension, signs and symptoms, complication and treatment	Hypertension, signs and symptoms, complication and treatment	Scientific lecture, photo presentation and scientific films	Oral and written tests
13	Theoretical2 Practical 5	The student learns about Systemic Lupus Erythematosus (SLE), Reynaud's phenomenon	Systemic Lupus Erythematosus (SLE), Reynaud's phenomenon	Scientific lecture, photo presentation and scientific films	Oral and written tests
14	Theoretical2 Practical 5	The student learns about Osteoarthritis (OA)	Osteoarthritis (OA)	Scientific lecture, photo presentation and scientific films	Oral and written tests
15	Theoretical2 Practical 5	The student learns about Ankylosing Spondylitis (AS)	Ankylosing Spondylitis (AS)	Scientific lecture, photo presentation and scientific films	Oral and written tests

14. Course Evaluation

The distribution of the final grade out of 100 is as follows: For theoretical lessons, the effort is 30% and the final exam is 70%. As for theoretical and practical lessons, the effort is 40% and the final exam is 60%.

15. Learning and Teaching Resources

Required textbooks (curricular books, if any)	
Main references (sources)	
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

Course Description Form

1. Course Name:					
Surgical medicine					
2. Course Code:					
MRPT212-21-C					
3. Semester / Year:					
First course / 2 nd stage					
4. Description Preparation Date:					
1/9/2026					
5. Available Attendance Forms:					
Attendance of students of the Department of Medical Rehabilitation and Physiotherapy in classrooms in person					
6. Number of Credit Hours (Total) / Number of Units (Total)					
7/7					
7. Course administrator's name					
Name: Email:					
8. Course Objectives					
Course Objectives		After finishing the study, the graduate will be able to know uses of different equipment of physiotherapy			
9. Teaching and Learning Strategies					
Strategy		1. Scientific lecture 2. Display of scientific pictures and films 3. Discussion			
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	Theoretical2 Practical 5	The student learns about Introduction to the surgical rehabilitation	Introduction to the surgical rehabilitation	Scientific lecture, photo presentation and scientific films	Oral and written tests
2	Theoretical2 Practical 5	The student learns about	Rehabilitation principles	Scientific lecture, photo	Oral and written tests

		Rehabilitation principles		presentation and scientific films	
3	Theoretical2 Practical 5	The student learns about Inflammation-healing-oedema – thrombosis-degeneration-hypertrophy	Inflammation-healing-oedema – thrombosis-degeneration-hypertrophy	Scientific lecture, photo presentation and scientific films	Oral and written tests
4	Theoretical2 Practical 5	The student learns about Pregnancy complications and complications that contraindicated the physiotherapy	Pregnancy complications and contraindicated the physiotherapy	Scientific lecture, photo presentation and scientific films	Oral and written tests
5	Theoretical2 Practical 5	The student learns about Gynecology Complications- uterus prolapsed-menstrual cycle disturbance-urine incontinence	Gynecology Complications- uterus prolapsed-menstrual cycle disturbance-urine incontinence	Scientific lecture, photo presentation and scientific films	Oral and written tests
6	Theoretical2 Practical 5	The student learns about Physical therapy intervention in (I.C.U) and (R.C.U)	Physical therapy intervention in (I.C.U) and (R.C.U)	Scientific lecture, photo presentation and scientific films	Oral and written tests
7	Theoretical2 Practical 5	The student learns about Evaluations of injures	Evaluations of injures	Scientific lecture, photo presentation and scientific films	Oral and written tests
8	Theoretical2 Practical 5	The student learns about Rehabilitation of soft tissue injuries –	Rehabilitation of soft tissue injuries –	Scientific lecture, photo presentation and scientific films	Oral and written tests
9	Theoretical2 Practical 5	The student learns about sport injuries signs and symptoms complications and physiotherapy	sport injuries signs and symptoms complications and physiotherapy	Scientific lecture, photo presentation and scientific films	Oral and written tests

10	Theoretical2 Practical 5	The student learns about Injuries-dislocation-subluxation	Injuries-dislocation-subluxation	Scientific lecture, photo presentation and scientific films	Oral and written tests
11	Theoretical2 Practical 5	The student learns about Dislocation-Ankle-wrist-shoulder-elbow	Dislocation-Ankle-wrist-shoulder-elbow	Scientific lecture, photo presentation and scientific films	Oral and written tests
12	Theoretical2 Practical 5	The student learns about Muscle tearing-muscle injury – contusion	Muscle tearing-muscle injury – contusion	Scientific lecture, photo presentation and scientific films	Oral and written tests
13	Theoretical2 Practical 5	The student learns about Rehabilitation of muscle tearing and contusion	Rehabilitation of muscle tearing and contusion	Scientific lecture, photo presentation and scientific films	Oral and written tests
14	Theoretical2 Practical 5	The student learns about Orthopedic surgery	Orthopedic surgery	Scientific lecture, photo presentation and scientific films	Oral and written tests
15	Theoretical2 Practical 5	The student learns about General Principles of Orthopedic Management	General Principles of Orthopedic Management	Scientific lecture, photo presentation and scientific films	Oral and written tests

11. Course Evaluation

The distribution of the final grade out of 100 is as follows: For theoretical lessons, the effort is 30% and the final exam is 70%. As for theoretical and practical lessons, the effort is 40% and the final exam is 60%.

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	
Main references (sources)	
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

Course Description Form

1. Course Name:					
Neurological medicine					
2. Course Code:					
MRPT213-21-C					
3. Semester / Year:					
First course / 2 nd stage					
4. Description Preparation Date:					
1/9/2026					
5. Available Attendance Forms:					
Attendance of students of the Department of Medical Rehabilitation and Physiotherapy in classrooms in person					
6. Number of Credit Hours (Total) / Number of Units (Total)					
7/7					
7. Course administrator's name					
Name: Email:					
8. Course Objectives					
Course Objectives		After finishing the study, the graduate will be able to know uses of different equipment of physiotherapy			
9. Teaching and Learning Strategies					
Strategy		1. Scientific lecture 2. Display of scientific pictures and films 3. Discussion			
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	Theoretical2 Practical 5	The student learns about Introduction to the neurological rehabilitation	Introduction to the neurological rehabilitation	Scientific lecture, photo presentation and scientific films	Oral and written tests
2	Theoretical2 Practical 5	The student learns about Head injuries-causes-primary	Head injuries-causes-primary brain damage-secondary brain damageprognosis	Scientific lecture, photo	Oral and written tests

		brain damage- secondary brain damageprognosis		presentation and scientific films	
3	Theoretical2 Practical 5	The student learns about Principles of head injuries management	Principles of head injuries management	Scientific lecture, photo presentation and scientific films	Oral and written tests
4	Theoretical2 Practical 5	The student learns about Signs and symptoms of Paralysis	Signs and symptoms of Paralysis	Scientific lecture, photo presentation and scientific films	Oral and written tests
5	Theoretical2 Practical 5	The student learns about Physiotherapy principles and paralysis	Physiotherapy and principles of paralysis	Scientific lecture, photo presentation and scientific films	Oral and written tests
6	Theoretical2 Practical 5	The student learns about Paralysis deformities and abnormalities	Paralysis deformities and abnormalities	Scientific lecture, photo presentation and scientific films	Oral and written tests
7	Theoretical2 Practical 5	The student learns about Spinal cord injuries-causes- lesion levevaluation	Spinal cord injuries- causes- lesion levevaluation	Scientific lecture, photo presentation and scientific films	Oral and written tests
8	Theoretical2 Practical 5	The student learns about Spinal cord injuries complications	Spinal cord injuries complications	Scientific lecture, photo presentation and scientific films	Oral and written tests
9	Theoretical2 Practical 5	The student learns about Spinal cord injuries rehabilitationbladder rehabilitation	Spinal cord injuries rehabilitationbladder rehabilitation	Scientific lecture, photo presentation and scientific films	Oral and written tests
10	Theoretical2 Practical 5	The student learns about Quadriplegia- hemiplegia- paraplegia common causes	Quadriplegia- hemiplegia- paraplegia common causes	Scientific lecture, photo presentation and scientific films	Oral and written tests

11	Theoretical2 Practical 5	The student learns about Cerebral Palsy	Cerebral Palsy	Scientific lecture, photo presentation and scientific films	Oral and written tests
12	Theoretical2 Practical 5	The student learns about Cerebral-vascular Accident	Cerebral-vascular Accident	Scientific lecture, photo presentation and scientific films	Oral and written tests
13	Theoretical2 Practical 5	The student learns about Occupational rehabilitation	Occupational rehabilitation	Scientific lecture, photo presentation and scientific films	Oral and written tests
14	Theoretical2 Practical 5	The student learns about Psychological rehabilitation	Psychological rehabilitation	Scientific lecture, photo presentation and scientific films	Oral and written tests
15	Theoretical2 Practical 5	The student learns about Multiple Sclerosis	Multiple Sclerosis	Scientific lecture, photo presentation and scientific films	Oral and written tests

11. Course Evaluation

The distribution of the final grade out of 100 is as follows: For theoretical lessons, the effort is 30% and the final exam is 70%. As for theoretical and practical lessons, the effort is 40% and the final exam is 60%.

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	
Main references (sources)	
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

1. Course Name:					
Therapeutic Methods					
2. Course Code:					
MRPT214-21-C					
3. Semester / Year:					
First course / 2 nd stage					
4. Description Preparation Date:					
1/9/2026					
5. Available Attendance Forms:					
Attendance of students of the Department of Medical Rehabilitation and Physiotherapy in classrooms in person					
6. Number of Credit Hours (Total) / Number of Units (Total)					
4/4					
7. Course administrator's name					
Name: Email:					
8. Course Objectives					
Course Objective	After finishing the study, the graduate will be able to know uses of different equipment of physiotherapy				
9. Teaching and Learning Strategies					
Strategy	1. Scientific lecture 2. Display of scientific pictures and films 3. Discussion				
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	Theoretical1 Practical 3	The student learns about Medical rehabilitation and physiotherapy for acute - sub-acute –chronic stage of Rheumatoid arthritis	Medical rehabilitation and physiotherapy for acute -sub-acute –chronic stage of Rheumatoid arthritis	Scientific lecture, photo presentation and scientific films	Oral and written tests
2	Theoretical1	The student learns about	Physiotherapy for respiratory	Scientific	Oral

	Practical 3	Physiotherapy for respiratory diseasesbreathing exercise-postural drainage – physical and mental relaxation	diseasesbreathing exercise-postural drainage – physical and mental relaxation	lecture, photo presentation and scientific films	and written tests
3	Theoretical1 Practical 3	The student learns about Cardiovascular system diseasescomplications - Physiotherapy and rehabilitation for cardiovascular system diseases	Cardiovascular system diseasescomplications - Physiotherapy and rehabilitation for cardiovascular system diseases	Scientific lecture, photo presentation and scientific films	Oral and written tests
4	Theoretical1 Practical 3	The student learns about Common operations complicationsrespiratory disease complicationsphysiotherapy-thrombosis and embolism physiotherapy-wound infection – physiotherapy – hemorrhage – physiotherapymuscle atrophy physiotherapy-heart arrest physiotherapy -lower limb amputationupper limb amputation- pre-operation stage physiotherapy	Common operations complicationsrespiratory disease complicationsphysiotherapy-thrombosis and embolism physiotherapy-wound infection – physiotherapy – hemorrhage – physiotherapymuscle atrophy physiotherapy-heart arrest physiotherapy -lower limb amputationupper limb amputation- pre-operation stage physiotherapy	Scientific lecture, photo presentation and scientific films	Oral and written tests
5	Theoretical1 Practical 3	The student learns about post operation stage - prosthetic stage-aims of rehabilitation and physiotherapy for each stage	post operation stage - prosthetic stage-aims of rehabilitation and physiotherapy for each stage	Scientific lecture, photo presentation and scientific films	Oral and written tests
6	Theoretical1 Practical 3	The student learns about Fractures-mobilization stage-aims and physiotherapy methods – post mobilization stage - aims and physiotherapy methods.	Fractures-mobilization stage-aims and physiotherapy methods – post mobilization stage - aims and physiotherapy methods.	Scientific lecture, photo presentation and scientific films	Oral and written tests

11. Course Evaluation

The distribution of the final grade out of 100 is as follows: For theoretical lessons, the effort is 30% and the final exam is 70%. As for theoretical and practical lessons, the effort is 40% and the final exam is 60%.

12. Learning and Teaching Resources	
Required textbooks (curricular books, if any)	
Main references (sources)	
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

1. Course Name:					
Prosthesis and orthosis					
2. Course Code:					
MRPT215-21-C					
3. Semester / Year:					
First course / 2 nd stage					
4. Description Preparation Date:					
1/9/2026					
5. Available Attendance Forms:					
Attendance of students of the Department of Medical Rehabilitation and Physiotherapy in classrooms in person					
6. Number of Credit Hours (Total) / Number of Units (Total)					
4/4					
7. Course administrator's name					
Name: Email:					
8. Course Objectives					
Course Objectives		After finishing the study, the graduate will be able to know uses of different equipment of physiotherapy			
9. Teaching and Learning Strategies					
Strategy		1. Scientific lecture 2. Display of scientific pictures and films 3. Discussion			
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	Theoretical1 Practical 3	The student learns about Causes of impairment and paralysis-foot anatomy	Causes of impairment and paralysis-foot anatomy	Scientific lecture, photo presentation and scientific films	Oral and written tests
2	Theoretical1 Practical 3	The student learns about Foot	Foot deformities -Pes- valgus- Pes-varus, flat foot	Scientific lecture, photo	Oral and written tests

		deformities -Pes- valgus- Pes- varus, flat foot		presentation and scientific films	
3	Theoretical1 Practical 3	The student learns about Pes- equinus-pes- cavus	Pes- equinus-pes- cavus	Scientific lecture, photo presentation and scientific films	Oral and written tests
4	Theoretical1 Practical 3	The student learns about Pes- adducts, abducts	Pes- adducts, abducts	Scientific lecture, photo presentation and scientific films	Oral and written tests
5	Theoretical1 Practical 3	The student learns about Genu deformities	Genu deformities	Scientific lecture, photo presentation and scientific films	Oral and written tests
6	Theoretical1 Practical 3	The student learns about Genu varum- genu-valgus	Genu varum-genu- valgus	Scientific lecture, photo presentation and scientific films	Oral and written tests
7	Theoretical1 Practical 3	The student learns about Coxa-deformities Coxa-valgus- varus- hip dislocation	Coxa-deformities Coxa-valgus-varus- hip dislocation	Scientific lecture, photo presentation and scientific films	Oral and written tests
8	Theoretical1 Practical 3	The student learns about vertebral column deviations	vertebral column deviations	Scientific lecture, photo presentation and scientific films	Oral and written tests
9	Theoretical1 Practical 3	The student learns about Deviation of orthosis	Deviation of orthosis	Scientific lecture, photo presentation and scientific films	Oral and written tests
10	Theoretical1 Practical 3	The student learns about Manufacturing of orthosis	Manufacturing of orthosis	Scientific lecture, photo presentation and scientific films	Oral and written tests
11	Theoretical1 Practical 3	The student learns about Crutches and its type	Crutches and its type	Scientific lecture, photo presentation and scientific films	Oral and written tests
12	Theoretical1 Practical 3	The student learns about	Orthosis of paralysis	Scientific lecture, photo	Oral and written tests

		Orthosis of paralysis		presentation and scientific films	
13	Theoretical1 Practical 3	Revision	Revision	Scientific lecture, photo presentation and scientific films	Oral and written tests
14	Theoretical1 Practical 3	The student learns about Amputation causes-levels	Amputation causes-levels	Scientific lecture, photo presentation and scientific films	Oral and written tests
15	Theoretical1 Practical 3	The student learns about Pre and after-operation rehabilitation	Pre and after-operation rehabilitation	Scientific lecture, photo presentation and scientific films	Oral and written tests

11. Course Evaluation

The distribution of the final grade out of 100 is as follows: For theoretical lessons, the effort is 30% and the final exam is 70%. As for theoretical and practical lessons, the effort is 40% and the final exam is 60%.

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	
Main references (sources)	
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

1. Course Name:					
Public health					
2. Course Code:					
MRPT216-21-C					
3. Semester / Year:					
First course / 2 nd stage					
4. Description Preparation Date:					
1/9/2026					
5. Available Attendance Forms:					
Attendance of students of the Department of Medical Rehabilitation and Physiotherapy in classrooms in person					
6. Number of Credit Hours (Total) / Number of Units (Total)					
2/2					
7. Course administrator's name					
Name: Email:					
8. Course Objectives					
Course Objectives		After finishing the study, the graduate will be able to know uses of different equipment of physiotherapy			
9. Teaching and Learning Strategies					
Strategy		1. Scientific lecture 2. Display of scientific pictures and films 3. Discussion			
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	Theoretical2	The student learns about Concept of community health, health indicators and its effects	Concept of community health, health indicators and its effects	Scientific lecture, photo presentation and scientific films	Oral and written tests
2	Theoretical2	The student	Public health services,	Scientific	Oral and

		learns about Public health services, foundations of public health administration	foundations of public health administration	lecture, photo presentation and scientific films	written tests
3	Theoretical2	The student learns about health team, the conditions for team success, team member duties	health team, the conditions for team success, team member duties		Oral and written tests
4	Theoretical2	The student learns about Environmental health and environmental planning	Environmental health and environmental planning	Scientific lecture, photo presentation and scientific films	Oral and written tests
5	Theoretical2	The student learns about Therapeutic and preventive services, rehabilitation.	Therapeutic and preventive services, rehabilitation.	Scientific lecture, photo presentation and scientific films	Oral and written tests
6	Theoretical2	The student learns about Epidemiology, infection, pathogens, sources of infection	Epidemiology, infection, pathogens, sources of infection	Scientific lecture, photo presentation and scientific films	Oral and written tests
7	Theoretical2	The student learns about Immunity and its types	Immunity and its types	Scientific lecture, photo presentation and scientific films	Oral and written tests
8	Theoretical2	The student learns about Vaccines, Immunization Programs in Iraq	Vaccines, Immunization Programs in Iraq	Scientific lecture, photo presentation and scientific films	Oral and written tests
9	Theoretical2	The student learns about Common childhood diseases in Iraq - Control programs in cooperation with WHO and UNICEF	Common childhood diseases in Iraq - Control programs in cooperation with WHO and UNICEF	Scientific lecture, photo presentation and scientific films	Oral and written tests

10	Theoretical2	The student learns about Common co-occurring diseases in Iraq, schistosomiasis, malaria and methods of control and prevention	Common co-occurring diseases in Iraq, schistosomiasis, malaria and methods of control and prevention	Scientific lecture, photo presentation and scientific films	Oral and written tests
11	Theoretical2	The student learns about AIDS, causes of the disease, professional relationships, modes of infection, preventive control methods	AIDS, causes of the disease, professional relationships, modes of infection, preventive control methods	Scientific lecture, photo presentation and scientific films	Oral and written tests
12	Theoretical2	The student learns about Food, Foodborne illness, Cholera, Malta fever, Pathogen, Clinical signs, Routes of transmission, Preventive control	Food, Foodborne illness, Cholera, Malta fever, Pathogen, Clinical signs, Routes of transmission, Preventive control	Scientific lecture, photo presentation and scientific films	Oral and written tests
13	Theoretical2	The student learns about New coronavirus, symptoms, prevention methods	New coronavirus, symptoms, prevention methods	Scientific lecture, photo presentation and scientific films	Oral and written tests
14	Theoretical2	The student learns about Diseases that are related to society, tuberculosis	Diseases that are related to society, tuberculosis	Scientific lecture, photo presentation and scientific films	Oral and written tests
15	Theoretical2	The student learns about Drug addiction, Alcohol addiction, Smoking addiction	Drug addiction, Alcohol addiction, Smoking addiction	Scientific lecture, photo presentation and scientific films	Oral and written tests

11. Course Evaluation

The distribution of the final grade out of 100 is as follows: For theoretical lessons, the effort is 30% and the final exam is 70%. As for theoretical and practical lessons, the effort is 40% and the final exam is 60%.

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	
Main references (sources)	
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

1. Course Name:					
Arabic language					
2. Course Code:					
ATU21					
3. Semester / Year:					
First course / 2 nd stage					
4. Description Preparation Date:					
1/9/2026					
5. Available Attendance Forms:					
Attendance of students of the Department of Medical Rehabilitation and Physiotherapy in classrooms in person					
6. Number of Credit Hours (Total) / Number of Units (Total)					
2/2					
7. Course administrator's name					
Name: Email:					
8. Course Objectives					
Course Objectives		After finishing the study, the graduate will be able to know uses of different equipment of physiotherapy			
9. Teaching and Learning Strategies					
Strategy		1. Scientific lecture 2. Display of scientific pictures and films 3. Discussion			
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	Theoretical2	علامات الاعرابية الاصلية (الضمة ، الفتحة، الكسرة) علامات الاعرابية الفرعية (ء) الواو، الالف، الياء	علامات الاعرابية الاصلية (الضمة ، الفتحة، الكسرة) علامات الاعرابية الفرعية (ء) الواو، الالف، الياء	Scientific lecture, photo presentation and scientific films	Oral and written tests
2	Theoretical2	الجملة الاسمية (انواع المبتدأ، انواع الخبر)	الجملة الاسمية (انواع المبتدأ، انواع الخبر)	Scientific lecture, photo presentation and scientific	Oral and written tests

				films	
3	Theoretical2	ان و اخواتها	ان و اخواتها	Scientific lecture, photo presentation and scientific films	Oral and written tests
4	Theoretical2	الفرق بين (أن ، ان)	الفرق بين (أن ، ان)	Scientific lecture, photo presentation and scientific films	Oral and written tests
5	Theoretical2	الافعال الخمسة	الافعال الخمسة	Scientific lecture, photo presentation and scientific films	Oral and written tests
6	Theoretical2	كان و اخواتها	كان و اخواتها	Scientific lecture, photo presentation and scientific films	Oral and written tests
7	Theoretical2	الاططاء اللغوية	الاططاء اللغوية	Scientific lecture, photo presentation and scientific films	Oral and written tests
8	Theoretical2	المثنى و اعرابه	المثنى و اعرابه	Scientific lecture, photo presentation and scientific films	Oral and written tests
9	Theoretical2	التعبير القراني (نحوياً من حيث التركيب الجملة و النص، بلاغياً من حيث التأثير الفني، الرجوع الى المصدر كتاب التعبير القراني للدكتور فاضل السامرائي	التعبير القراني (نحوياً من حيث التركيب الجملة و النص، بلاغياً من حيث التأثير الفني، الرجوع الى المصدر كتاب التعبير القراني للدكتور فاضل السامرائي	Scientific lecture, photo presentation and scientific films	Oral and written tests
10	Theoretical2	الشاعر بدر شاكر السياب	الشاعر بدر شاكر السياب	Scientific lecture, photo presentation and scientific films	Oral and written tests
11	Theoretical2	معلومات لغوية (المرادفات و الاضداد، فروق لغوية، معادلات نحوية)	معلومات لغوية (المرادفات و الاضداد، فروق لغوية، معادلات نحوية)	Scientific lecture, photo presentation and scientific films	Oral and written tests
12	Theoretical2	انواع الجموع (جمع مذكر سالم، جمع	انواع الجموع (جمع مذكر سالم، جمع مؤنث سالم، جمع	Scientific lecture, photo	Oral and written tests

		مونث سالم، جمع تكسير	تكسير	presentation and scientific films	
13	Theoretical2	هندسة النحو (قواعد اللغة العربية في اللوحة التعليمية، تصويبات لغوية)	هندسة النحو (قواعد اللغة العربية في اللوحة التعليمية، تصويبات لغوية)	Scientific lecture, photo presentation and scientific films	Oral and written tests

11. Course Evaluation

The distribution of the final grade out of 100 is as follows: For theoretical lessons, the effort is 30% and the final exam is 70%. As for theoretical and practical lessons, the effort is 40% and the final exam is 60%.

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	
Main references (sources)	
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

2^{ed} Year
Semester / Second

1. Course Name:					
Medical Rehabilitation					
2. Course Code:					
MRPT221-21-C					
3. Semester / Year:					
second course / 2 nd stage					
4. Description Preparation Date:					
1/9/2026					
5. Available Attendance Forms:					
Attendance of students of the Department of Medical Rehabilitation and Physiotherapy in classrooms in person					
6. Number of Credit Hours (Total) / Number of Units (Total)					
7/7					
7. Course administrator's name					
Name: Email:					
8. Course Objectives					
Course Objectives		After finishing the study, the graduate will be able to know uses of different equipment of physiotherapy			
9. Teaching and Learning Strategies					
Strategy		1. Scientific lecture 2. Display of scientific pictures and films 3. Discussion			
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	Theoretical2 Practical 5	The student learns about Rheumatoid arthritis	Rheumatoid arthritis	Scientific lecture, photo presentation and scientific films	Oral and written tests
2	Theoretical2 Practical 5	The student learns about	Rheumatoid arthritis	Scientific lecture, photo	Oral and written tests

		Rheumatoid arthritis		presentation and scientific films	
3	Theoretical2 Practical 5	The student learns about Scleroderma	Scleroderma	Scientific lecture, photo presentation and scientific films	Oral and written tests
4	Theoretical2 Practical 5	The student learns about Myositis and Dermatitis	Myositis and Dermatitis	Scientific lecture, photo presentation and scientific films	Oral and written tests
5	Theoretical2 Practical 5	The student learns about Respiratory disease- chronic bronchitis tuberculosis	Respiratory disease- chronic bronchitis tuberculosis	Scientific lecture, photo presentation and scientific films	Oral and written tests
6	Theoretical2 Practical 5	The student learns about Bronchitis - Atelectasis	Bronchitis -Atelectasis	Scientific lecture, photo presentation and scientific films	Oral and written tests
7	Theoretical2 Practical 5	The student learns about Asthma - Emphysema	Asthma -Emphysema	Scientific lecture, photo presentation and scientific films	Oral and written tests
8	Theoretical2 Practical 5	The student learns about Cardiovascular disease- Atherosclerosis, Angina	Cardiovascular disease- Atherosclerosis, Angina	Scientific lecture, photo presentation and scientific films	Oral and written tests
9	Theoretical2 Practical 5	The student learns about Heart failure (CHF)	Heart failure (CHF)	Scientific lecture, photo presentation and scientific films	Oral and written tests
10	Theoretical2 Practical 5	The student learns about Myocardial infarction (MI)	Myocardial infarction (MI)	Scientific lecture, photo presentation and scientific films	Oral and written tests
11	Theoretical2 Practical 5	The student learns about Obesity-causes-physiotherapy	Obesity-causes-physiotherapy	Scientific lecture, photo presentation and scientific films	Oral and written tests
12	Theoretical2	The student	Hepatitis	Scientific	Oral and

	Practical 5	learns about Hepatitis		lecture, photo presentation and scientific films	written tests
13	Theoretical2 Practical 5	The student learns about Cushing's Syndrome	Cushing's Syndrome	Scientific lecture, photo presentation and scientific films	Oral and written tests
14	Theoretical2 Practical 5	The student learns about Cushing's Syndrome	Cushing's Syndrome	Scientific lecture, photo presentation and scientific films	Oral and written tests
15	Theoretical2 Practical 5	The student learns about Leukemia	Leukemia	Scientific lecture, photo presentation and scientific films	Oral and written tests

11. Course Evaluation

The distribution of the final grade out of 100 is as follows: For theoretical lessons, the effort is 30% and the final exam is 70%. As for theoretical and practical lessons, the effort is 40% and the final exam is 60%.

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	
Main references (sources)	
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

1. Course Name:					
Surgical Rehabilitation					
2. Course Code:					
MRPT222-21-C					
3. Semester / Year:					
second course / 2 nd stage					
4. Description Preparation Date:					
1/9/2026					
5. Available Attendance Forms:					
Attendance of students of the Department of Medical Rehabilitation and Physiotherapy in classrooms in person					
6. Number of Credit Hours (Total) / Number of Units (Total)					
7/7					
7. Course administrator's name					
Name: Email:					
8. Course Objectives					
Course Objectives		After finishing the study, the graduate will be able to know uses of different equipment of physiotherapy			
9. Teaching and Learning Strategies					
Strategy		1. Scientific lecture 2. Display of scientific pictures and films 3. Discussion			
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	Theoretical2 Practical 5	The student learns about Hip and Knee arthroplasty, complication and physiotherapy	Hip and Knee arthroplasty, complication and physiotherapy	Scientific lecture, photo presentation and scientific films	Oral and written tests
2	Theoretical2 Practical 5	The student learns about	Fractures	Scientific lecture, photo	Oral and written tests

		Fractures		presentation and scientific films	
3	Theoretical2 Practical 5	The student learns about General and local fracture complications and healing	General and local fracture complications and healing	Scientific lecture, photo presentation and scientific films	Oral and written tests
4	Theoretical2 Practical 5	The student learns about Upper and lower limb fracture physiotherapy	Upper and lower limb fracture physiotherapy	Scientific lecture, photo presentation and scientific films	Oral and written tests
5	Theoretical2 Practical 5	The student learns about Rehabilitation of ligamentous knee injuries collaterals, ACL,PCL and meniscectomy	Rehabilitation of ligamentous knee injuries collaterals, ACL,PCL and meniscectomy	Scientific lecture, photo presentation and scientific films	Oral and written tests
6	Theoretical2 Practical 5	The student learns about Physical therapy of traumatic condition of wrist and hand	Physical therapy of traumatic condition of wrist and hand	Scientific lecture, photo presentation and scientific films	Oral and written tests
7	Theoretical2 Practical 5	The student learns about Traumatic condition and surgery of spine and pelvis	Traumatic condition and surgery of spine and pelvis	Scientific lecture, photo presentation and scientific films	Oral and written tests
8	Theoretical2 Practical 5	The student learns about Rehabilitation of amputation-Pre and post operation	Rehabilitation of amputation-Pre and post operation	Scientific lecture, photo presentation and scientific films	Oral and written tests
9	Theoretical2 Practical 5	The student learns about Muscle tendon injuries Physiotherapy	Muscle tendon injuries Physiotherapy	Scientific lecture, photo presentation and scientific films	Oral and written tests
10	Theoretical2 Practical 5	The student learns about Deformities of ankle and foot, treatment	Deformities of ankle and foot, treatment	Scientific lecture, photo presentation and scientific films	Oral and written tests
11	Theoretical2	The student	Bed ulcer	Scientific	Oral and

	Practical 5	learns about Bed ulcer managements	managements	lecture, photo presentation and scientific films	written tests
12	Theoretical2 Practical 5	The student learns about Genetic and metabolic bone diseases – malignant and benign diseases	Genetic and metabolic bone diseases – malignant and benign diseases	Scientific lecture, photo presentation and scientific films	Oral and written tests
13	Theoretical2 Practical 5	The student learns about Burns –causes-complications signs and symptoms-rehabilitation physiotherapy	Burns –causes-complications signs and symptoms-rehabilitation physiotherapy	Scientific lecture, photo presentation and scientific films	Oral and written tests
14	Theoretical2 Practical 5	The student learns about The student learns about Respiratory and cardiac diseases rehabilitation-pre and post operation	Respiratory and cardiac diseases rehabilitation-pre and post operation	Scientific lecture, photo presentation and scientific films	Oral and written tests
15	Theoretical2 Practical 5	The student learns about Parkinson's disease	Parkinson's disease	Scientific lecture, photo presentation and scientific films	Oral and written tests

11. Course Evaluation

The distribution of the final grade out of 100 is as follows: For theoretical lessons, the effort is 30% and the final exam is 70%. As for theoretical and practical lessons, the effort is 40% and the final exam is 60%.

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	
Main references (sources)	
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

1. Course Name:					
Neurological Rehabilitation					
2. Course Code:					
MRPT223-21-C					
3. Semester / Year:					
second course / 2 nd stage					
4. Description Preparation Date:					
1/9/2026					
5. Available Attendance Forms:					
Attendance of students of the Department of Medical Rehabilitation and Physiotherapy in classrooms in person					
6. Number of Credit Hours (Total) / Number of Units (Total)					
7/7					
7. Course administrator's name					
Name: Email:					
8. Course Objectives					
Course Objectives		After finishing the study, the graduate will be able to know uses of different equipment of physiotherapy			
9. Teaching and Learning Strategies					
Strategy		1. Scientific lecture 2. Display of scientific pictures and films 3. Discussion			
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	Theoretical2 Practical 5	The student learns about Neurogenic bladder	Neurogenic bladder	Scientific lecture, photo presentation and scientific films	Oral and written tests
2	Theoretical2 Practical 5	The student learns about Spasticity	Spasticity	Scientific lecture, photo presentation	Oral and written tests

				and scientific films	
3	Theoretical2 Practical 5	The student learns about Peripheral nerve injuries –signs and symptoms-management-neuritis- common causes	Peripheral nerve injuries –signs and symptoms-management-neuritis-common causes	Scientific lecture, photo presentation and scientific films	Oral and written tests
4	Theoretical2 Practical 5	The student learns about Sciatic Nerve injury	Sciatic Nerve injury	Scientific lecture, photo presentation and scientific films	Oral and written tests
5	Theoretical2 Practical 5	The student learns about Facial palsy	Facial palsy	Scientific lecture, photo presentation and scientific films	Oral and written tests
6	Theoretical2 Practical 5	The student learns about Brachial plexus palsy	Brachial plexus palsy	Scientific lecture, photo presentation and scientific films	Oral and written tests
7	Theoretical2 Practical 5	The student learns about Axillary nerve palsy	Axillary nerve palsy	Scientific lecture, photo presentation and scientific films	Oral and written tests
8	Theoretical2 Practical 5	The student learns about Radial nerve palsy	Radial nerve palsy	Scientific lecture, photo presentation and scientific films	Oral and written tests
9	Theoretical2 Practical 5	The student learns about Ulnar nerve palsy	Ulnar nerve palsy	Scientific lecture, photo presentation and scientific films	Oral and written tests
10	Theoretical2 Practical 5	The student learns about Median nerve palsy	Median nerve palsy	Scientific lecture, photo presentation and scientific films	Oral and written tests
11	Theoretical2 Practical 5	The student learns about Common Popleateal nerve palsy	Common Popleateal nerve palsy	Scientific lecture, photo presentation and scientific films	Oral and written tests
12	Theoretical2	The student	Poliomyelitis	Scientific	Oral and

	Practical 5	learns about Poliomyelitis		lecture, photo presentation and scientific films	written tests
13	Theoretical2 Practical 5	The student learns about Guillain–Barré syndrome	Guillain–Barré syndrome	Scientific lecture, photo presentation and scientific films	Oral and written tests
14	Theoretical2 Practical 5	The student learns about Parkinson's disease	Parkinson's disease	Scientific lecture, photo presentation and scientific films	Oral and written tests
15	Theoretical2 Practical 5	Revision	Revision	Scientific lecture, photo presentation and scientific films	Oral and written tests

11. Course Evaluation

The distribution of the final grade out of 100 is as follows: For theoretical lessons, the effort is 30% and the final exam is 70%. As for theoretical and practical lessons, the effort is 40% and the final exam is 60%.

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	
Main references (sources)	
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

1. Course Name:					
Therapeutic exercises					
2. Course Code:					
MRPT224-21-C					
3. Semester / Year:					
second course / 2 nd stage					
4. Description Preparation Date:					
1/9/2026					
5. Available Attendance Forms:					
Attendance of students of the Department of Medical Rehabilitation and Physiotherapy in classrooms in person					
6. Number of Credit Hours (Total) / Number of Units (Total)					
4/4					
7. Course administrator's name					
Name: Email:					
8. Course Objectives					
Course Objectives		After finishing the study, the graduate will be able to know uses of different equipment of physiotherapy			
9. Teaching and Learning Strategies					
Strategy		1. Scientific lecture 2. Display of scientific pictures and films 3. Discussion			
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	Theoretical1 Practical 3	The student learns about Burns degree -complications- physiotherapy	Burns degree physiotherapy	Scientific lecture, photo presentation and scientific films	
2	Theoretical1 Practical 3	The student learns about Meniscus injury	Meniscus injury – mechanism of injury	Scientific lecture, photo presentation	

		–laminectomy - mechanism of injury		and scientific films	
3	Theoretical1 Practical 3	The student learns about Hemiplegia	Hemiplegia	Scientific lecture, photo presentation and scientific films	
4	Theoretical1 Practical 3	The student learns about Patterns of hemiplegia- Correcting patterns	Patterns of hemiplegia- Correcting patterns	Scientific lecture, photo presentation and scientific films	
5	Theoretical1 Practical 3	The student learns about Rehabilitation and physiotherapy of Hemiplegia	Rehabilitation and physiotherapy of Hemiplegia	Scientific lecture, photo presentation and scientific films	
6	Theoretical1 Practical 3	The student learns about Paraplegia	Paraplegia	Scientific lecture, photo presentation and scientific films	
7	Theoretical1 Practical 3	The student learns about Rehabilitation and physiotherapy	Rehabilitation and physiotherapy	Scientific lecture, photo presentation and scientific films	
8	Theoretical1 Practical 3	The student learns about Cerebral palsy- pathological patterns of Paraplegia	Cerebral palsy- pathological patterns of Paraplegia	Scientific lecture, photo presentation and scientific films	
9	Theoretical1 Practical 3	The student learns about Rehabilitation and Cerebral palsy	Rehabilitation and p Cerebral palsy	Scientific lecture, photo presentation and scientific films	Oral and written tests
10	Theoretical1 Practical 3	The student learns about Peripheral nerves injuries	Peripheral nerves injuries	Scientific lecture, photo presentation and scientific films	Oral and written tests
11	Theoretical1 Practical 3	The student learns about	Rehabilitation and p Peripheral nerves	Scientific lecture, photo	Oral and written tests

		Rehabilitation and Peripheral nerves injuries	injuries	presentation and scientific films	
12	Theoretical1 Practical 3	The student learns about Injuries of spine , mechanism of injury	Injuries of spine , mechanism of injury	Scientific lecture, photo presentation and scientific films	Oral and written tests
13	Theoretical1 Practical 3	The student learns about Disc prolapsed, strain, Rehabilitation program for spine injures	Disc prolapsed, str Rehabilitation program for spine injures	Scientific lecture, photo presentation and scientific films	Oral and written tests
14	Theoretical1 Practical 3	The student learns about Spinal cord injury	Spinal cord injury	Scientific lecture, photo presentation and scientific films	Oral and written tests
15	Theoretical1 Practical 3	The student learns about Rehabilitation program for Spinal cord injury	Rehabilitation program for Spinal cord injury	Scientific lecture, photo presentation and scientific films	Oral and written tests

11. Course Evaluation

The distribution of the final grade out of 100 is as follows: For theoretical lessons, the effort is 30% and the final exam is 70%. As for theoretical and practical lessons, the effort is 40% and the final exam is 60%.

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	
Main references (sources)	
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

1. Course Name:					
Locomotor disease					
2. Course Code:					
MRPT225-21-C					
3. Semester / Year:					
second course / 2 nd stage					
4. Description Preparation Date:					
1/9/2026					
5. Available Attendance Forms:					
Attendance of students of the Department of Medical Rehabilitation and Physiotherapy in classrooms in person					
6. Number of Credit Hours (Total) / Number of Units (Total)					
3/3					
7. Course administrator's name					
Name: Email:					
8. Course Objectives					
Course Objectives		After finishing the study, the graduate will be able to know uses of different equipment of physiotherapy			
9. Teaching and Learning Strategies					
Strategy		1. Scientific lecture 2. Display of scientific pictures and films 3. Discussion			
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	Theoretical1 Practical 2	The student learns about Mix connective tissue disease (dermatomyositis)- Scleroderma	Mix connective tissue disease (dermatomyositis)- Scleroderma	Scientific lecture, photo presentation and scientific films	Oral and written tests

2	Theoretical1 Practical 2	The student learns about Gout-pseudogout-enthesopathy – intraarticular hemorrhage	Gout-pseudogout-enthesopathy – intraarticular hemorrhage	Scientific lecture, photo presentation and scientific films	Oral and written tests
3	Theoretical1 Practical 2	The student learns about Septic arthritis (Brucellosis-T. B)	Septic arthritis (Brucellosis-T. B)	Scientific lecture, photo presentation and scientific films	Oral and written tests
4	Theoretical1 Practical 2	The student learns about Rheumatic fever	Rheumatic fever	Scientific lecture, photo presentation and scientific films	Oral and written tests
5	Theoretical1 Practical 2	The student learns about Osteo arthritis	Osteo arthritis	Scientific lecture, photo presentation and scientific films	Oral and written tests
6	Theoretical1 Practical 2	The student learns about Respiratory disease –bronchi ecstasies chronic bronchitis	Respiratory disease – bronchi ecstasies chronic bronchitis	Scientific lecture, photo presentation and scientific films	Oral and written tests
7	Theoretical1 Practical 2	The student learns about Asthma-pneumonia-Tuberculosis	Asthma-pneumonia-Tuberculosis	Scientific lecture, photo presentation and scientific films	Oral and written tests
8	Theoretical1 Practical 2	The student learns about Heart disease-Cardio-vascular disease	Heart disease-Cardio-vascular disease	Scientific lecture, photo presentation and scientific films	Oral and written tests
9	Theoretical1 Practical 2	The student learns about Obesity	Obesity	Scientific lecture, photo presentation and scientific films	Oral and written tests
10	Theoretical1 Practical 2	The student learns about Skull fracture-subdural hemorrhage	Skull fracture-subdural hemorrhage	Scientific lecture, photo presentation and scientific films	Oral and written tests
11	Theoretical1 Practical 2	The student learns about Brain damage –brain cushion -	Brain damage –brain cushion -	Scientific lecture, photo presentation and scientific films	Oral and written tests

12	Theoretical1 Practical 2	The student learns about Intracranial hemorrhage	Intracranial hemorrhage	Scientific lecture, photo presentation and scientific films	Oral and written tests
13	Theoretical1 Practical 2	The student learns about Spinal cord injuries-trans section-chronic prognosis (delayed prognosis)-acute trans section	Spinal cord injuries-trans section-chronic prognosis (delayed prognosis)-acute trans section	Scientific lecture, photo presentation and scientific films	Oral and written tests
14	Theoretical1 Practical 2	The student learns about Peripheral nerves injuries – geriatric disease cardiovascular diseases –urinary and respiratory system diseases-diabetes militias disease	Peripheral nerves injuries – geriatric disease cardiovascular diseases –urinary and respiratory system diseases-diabetes militias disease	Scientific lecture, photo presentation and scientific films	Oral and written tests
15	Theoretical1 Practical 2	The student learns about Anemia-dementia-Parkinson's disease – tumors	Anemia-dementia-Parkinson's disease – tumors	Scientific lecture, photo presentation and scientific films	Oral and written tests

11. Course Evaluation

The distribution of the final grade out of 100 is as follows: For theoretical lessons, the effort is 30% and the final exam is 70%. As for theoretical and practical lessons, the effort is 40% and the final exam is 60%.

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	
Main references (sources)	
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

1. Course Name:					
Behavior Attitude					
2. Course Code:					
MRPT226-21-C					
3. Semester / Year:					
second course / 2 nd stage					
4. Description Preparation Date:					
1/9/2026					
5. Available Attendance Forms:					
Attendance of students of the Department of Medical Rehabilitation and Physiotherapy in classrooms in person					
6. Number of Credit Hours (Total) / Number of Units (Total)					
212					
7. Course administrator's name					
Name: Email:					
8. Course Objectives					
Course Objectives	After finishing the study, the graduate will be able to know uses of different equipment of physiotherapy				
9. Teaching and Learning Strategies					
Strategy	1. Scientific lecture 2. Display of scientific pictures and films 3. Discussion				
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	Theoretical2	الأخلاق • مفهوم الأخلاق ومنشأها. • القواعد العامة للأخلاقيات. • مصادر الأخلاقيات. • القيم الأخلاقية. أهمية الأخلاق للفرد والمجتمع.		Scientific lecture, photo presentation and scientific films	Oral and written tests
2+3	Theoretical2	العمل والمهنة		Scientific	Oral and

		• العمل وأهميته. • سلوكيات العمل. • مفهوم المهنة. • تعريف المهنة. • الفرق بين مفهوم العمل والمهنة والحرفة. • المعايير التي يجب أن تقوم عليها المهنة.		lecture, photo presentation and scientific films	written tests
4	Theoretical2	أخلاقيات المهنة • ماهية أخلاقيات المهنة. • المردودات الإيجابية للالتزام بأخلاقيات المهنة. • خصائص أخلاقيات العمل. • صفات أخلاقيات المهنة. • خطوات المستوى المقبول من أخلاقيات المهنة.		Scientific lecture, photo presentation and scientific films	Oral and written tests
5	Theoretical2	القيم وأخلاقيات المهنة • الأمانة. • الصدق. • النصح. • العدل. • حسن التعامل. • إتقان العمل.		Scientific lecture, photo presentation and scientific films	Oral and written tests
6+7	Theoretical2	أنماط السلوك الأخلاقي في المهنة • الفساد الإداري: ○ السلوك الإداري غير الأخلاقي. ○ تعريف الفساد الإداري. ○ أنواع الفساد الإداري. • الرشوة: ○ مفهوم الرشوة. ○ أنواع الرشوة. ○ الفرق بين الهدية والرشوة. ○ الأسباب والدوافع التي تؤدي إلى الرشوة. • الغش: ○ مفهوم الغش. ○ طبيعة الغش في العمل. مظاهر الغش في أداء الوظيفة.		Scientific lecture, photo presentation and scientific films	Oral and written tests
8+9	Theoretical2	وسائل وأساليب ترسيخ قيم أخلاقيات المهنة • أسلوب ترسيخ أخلاقيات المهنة. • مستويات بناء و ترسيخ أخلاقيات المهنة. • الوسائل وأساليب ترسيخ		Scientific lecture, photo presentation and scientific	Oral and written tests

		أخلاقيات المهنة. • الأمور التي يجب مراعاتها في صياغة الميثاق الأخلاقي للمهنة. الكيفية التي يتم بها تعزيز السلوك الأخلاقي في العمل وفقاً لنظرية "كيتني وكينيوي".		films	
10+11	Theoretical2	أخلاقيات ممارسة المهن الطبية • خصائص وواجبات التقني الطبي: ○ الصفات التي يجب أن يتحلى بها التقني الطبي. ○ واجبات التقني الطبي تجاه مهنته. ○ واجبات التقني الطبي تجاه المريض. واجبات التقني الطبي تجاه المجتمع.		Scientific lecture, photo presentation and scientific films	Oral and written tests
12	Theoretical2	حقوق المريض • العدالة والمساواة. • الحفاظ على سرية معلومات المرضى. • الحفاظ على خصوصية المريض. • الموافقة المسبقة. • الرعاية الشاملة. • وضع مصلحة المريض قبل كل اعتبار. • التواصل مع المرضى. الحق في الاطلاع على السجلات الطبية.		Scientific lecture, photo presentation and scientific films	Oral and written tests
13	Theoretical2	علاقة التقني الطبي مع المجتمع ومسؤوليته تجاه البيئة والسلامة العامة من خلال الالتزام بالقواعد الأساسية للمهنة للحد من انتشار الأوبئة والأمراض و كذلك أهمية دوره في نشر الوعي الصحي ومنع انتشار الأمراض.		Scientific lecture, photo presentation and scientific films	Oral and written tests
14	Theoretical2	العلاقات المهنية • علاقة التقني الطبي مع زملائه في المؤسسة الصحية: الاحترام، التعاون، تجنب النقد أمام المرضى، والدقة والأمانة في تقديم الأداء.		Scientific lecture, photo presentation and scientific films	Oral and written tests
15	Theoretical2	– أخلاقيات البحث الطبي • أخلاقيات إجراء التجارب الطبية في المؤسسة الصحية. • اتفاقية هلسنكي لأخلاقيات التجارب الطبية.		Scientific lecture, photo presentation and scientific	Oral and written tests

		• أخلاقيات كتابة البحث الطبي. - أخلاقيات التعليم والتعلم المتعلقة بالمريض.		films	
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11. Course Evaluation

The distribution of the final grade out of 100 is as follows: For theoretical lessons, the effort is 30% and the final exam is 70%. As for theoretical and practical lessons, the effort is 40% and the final exam is 60%.

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	
Main references (sources)	
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

1. Course Name:					
Computer application (2)					
2. Course Code:					
ATU22					
3. Semester / Year:					
second course / 2 nd stage					
4. Description Preparation Date:					
1/9/2026					
5. Available Attendance Forms:					
Attendance of students of the Department of Medical Rehabilitation and Physiotherapy in classrooms in person					
6. Number of Credit Hours (Total) / Number of Units (Total)					
2/2					
7. Course administrator's name					
Name: Email:					
8. Course Objectives					
Course Objectives		After finishing the study, the graduate will be able to know uses of different equipment of physiotherapy			
9. Teaching and Learning Strategies					
Strategy		1. Scientific lecture 2. Display of scientific pictures and films 3. Discussion			
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	Theoretical1 Practical 2	The student learns about Security and networking: what is the network? Types of networks. Basic network	Security and networking: what is the network? Types of networks. Basic network components	Scientific lecture, photo presentation and scientific films	Oral and written tests

		components			
2	Theoretical1 Practical 2	The student learns about Security and networking (cont.): network security basics. Understanding network threats	Security and networking (cont.): network security basics. Understanding network threats	Scientific lecture, photo presentation and scientific films	Oral and written tests
3	Theoretical1 Practical 2	The student learns about E-commerce: concepts of electronic banking services this include online banking: ATM and debit cards serves. Phon banking, SMS banking ,electronic alerts, mobile banking	E-commerce: concepts of electronic banking services this include online banking: ATM and debit cards serves. Phon banking, SMS banking ,electronic alerts, mobile banking	Scientific lecture, photo presentation and scientific films	Oral and written tests
4	Theoretical1 Practical 2	The student learns about Computer troubleshooting: identifying and solving common hardware and software problems that computer users encounter	Computer troubleshooting: identifying and solving common hardware and software problems that computer users encounter	Scientific lecture, photo presentation and scientific films	Oral and written tests
5	Theoretical1 Practical 2	The student learns about Computer troubleshooting (cont.): basic troubleshooting techniques and tools for diagnoses and resolving issues	Computer troubleshooting (cont.): basic troubleshooting techniques and tools for diagnoses and resolving issues	Scientific lecture, photo presentation and scientific films	Oral and written tests
6	Theoretical1 Practical 2	The student learns about Introduction to AI: definition of AI, history of AI, AI techniques and approaches	Introduction to AI: definition of AI, history of AI, AI techniques and approaches	Scientific lecture, photo presentation and scientific films	Oral and written tests

7	Theoretical1 Practical 2	The student learns about Introduction to AI(Cont.): Key Characteristics of AI, Benefits of AI, Challenges and Ethical considerations	Introduction to AI(Cont.): Key Characteristics of AI, Benefits of AI, Challenges and Ethical considerations	Scientific lecture, photo presentation and scientific films	Oral and written tests
8	Theoretical1 Practical 2	The student learns about The Role of AI in Modern Smartphones: AI-Driven Mobile Technologies, Virtual Assistants (Siri, Google Assistant, Alexa)	The Role of AI in Modern Smartphones: AI-Driven Mobile Technologies, Virtual Assistants (Siri, Google Assistant, Alexa)	Scientific lecture, photo presentation and scientific films	Oral and written tests
9	Theoretical1 Practical 2	The student learns about The Role of AI in Modern Smartphones (Cont.): Adaptive Learning, Real-Time Translation Services.	The Role of AI in Modern Smartphones (Cont.): Adaptive Learning, Real-Time Translation Services.	Scientific lecture, photo presentation and scientific films	Oral and written tests
10	Theoretical1 Practical 2	The student learns about Applications and Tools of AI: Overview of AI Applications in Various Industries, Education and Healthcare	Applications and Tools of AI: Overview of AI Applications in Various Industries, Education and Healthcare	Scientific lecture, photo presentation and scientific films	Oral and written tests
11	Theoretical1 Practical 2	The student learns about Applications and Tools of AI (Cont.): Transportation, Marketing and Advertising.	Applications and Tools of AI (Cont.): Transportation, Marketing and Advertising.	Scientific lecture, photo presentation and scientific films	Oral and written tests
12	Theoretical1 Practical 2	The student learns about Applications and Tools of	Applications and Tools of AI(Cont.): Finance, Robotics and Automation	Scientific lecture, photo presentation and scientific	Oral and written tests

		AI(Cont.): The student learns about Finance, Robotics and Automation Technologies.	Technologies.	films	
13	Theoretical1 Practical 2	The student learns about AI and Society: How AI affects social, AI and International relations, AI and the future of humanity.	AI and Society: How AI affects social, AI and International relations, AI and the future of humanity.	Scientific lecture, photo presentation and scientific films	Oral and written tests
14	Theoretical1 Practical 2	The student learns about Ethical Challenges in AI: AI ethics, privacy and surveillance, the impact of AI on the job market.	Ethical Challenges in AI: AI ethics, privacy and surveillance, the impact of AI on the job market.	Scientific lecture, photo presentation and scientific films	Oral and written tests
15	Theoretical1 Practical 2	The student learns about The Future of AI: Future trends in AI, recent research and emerging technologies.	The Future of AI: Future trends in AI, recent research and emerging technologies.	Scientific lecture, photo presentation and scientific films	Oral and written tests

11. Course Evaluation

The distribution of the final grade out of 100 is as follows: For theoretical lessons, the effort is 30% and the final exam is 70%. As for theoretical and practical lessons, the effort is 40% and the final exam is 60%.

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	
Main references (sources)	
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

1. Course Name:					
The crimes of defunct Baath Party					
2. Course Code:					
AYU24					
3. Semester / Year:					
second course / 2 nd stage					
4. Description Preparation Date:					
1/9/2026					
5. Available Attendance Forms:					
Attendance of students of the Department of Medical Rehabilitation and Physiotherapy in classrooms in person					
6. Number of Credit Hours (Total) / Number of Units (Total)					
2/2					
7. Course administrator's name					
Name: Email:					
8. Course Objectives					
Course Objectives		After finishing the study, the graduate will be able to know uses of different equipment of physiotherapy			
9. Teaching and Learning Strategies					
Strategy		1. Scientific lecture 2. Display of scientific pictures and films 3. Discussion			
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	Theoretical2	مفهوم الجرائم واقسامها) تعريف الجريمة لغة واصطلاحا (اقسام الجرائم) جرائم نظام البعث وفق توثيق قانون المحكمة الجنائية العراقية العليا عام 2005	مفهوم الجرائم واقسامها) تعريف الجريمة لغة واصطلاحا (اقسام الجرائم) جرائم نظام البعث وفق توثيق قانون المحكمة الجنائية العراقية العليا عام 2005	Scientific lecture, photo presentation and scientific films	Oral and written tests
2	Theoretical2	انواع الجرائم الدولية) القرارات الصادرة من المحكمة الجنائية العليا)	انواع الجرائم الدولية) القرارات الصادرة من المحكمة الجنائية العليا)	Scientific lecture, photo presentation and scientific films	Oral and written tests
3	Theoretical2	جريمة قمع الانتفاضة الشعبانية	جريمة قمع الانتفاضة الشعبانية	Scientific lecture, photo	Oral and written tests

				presentation and scientific films	
4	Theoretical2	الجرائم النفسية والاجتماعية وآثارها وأبرز انتهاكات النظام البعثي في العراق - الجرائم النفسية	الجرائم النفسية والاجتماعية وآثارها وأبرز انتهاكات النظام البعثي في العراق - الجرائم النفسية	Scientific lecture, photo presentation and scientific films	Oral and written tests
5	Theoretical2	آلية الضغط والعقاب النفسي	آلية الضغط والعقاب النفسي	Scientific lecture, photo presentation and scientific films	Oral and written tests
6	Theoretical2	آثار الجرائم النفسية	آثار الجرائم النفسية	Scientific lecture, photo presentation and scientific films	Oral and written tests
7	Theoretical2	انتهاكات القوانين العراقية	انتهاكات القوانين العراقية	Scientific lecture, photo presentation and scientific films	Oral and written tests
8	Theoretical2	بعض قرارات الانتهاكات السياسية والعسكرية لنظام البعث	بعض قرارات الانتهاكات السياسية والعسكرية لنظام البعث	Scientific lecture, photo presentation and scientific films	Oral and written tests
9	Theoretical2	الجرائم البيئية لنظام البعث في العراق	الجرائم البيئية لنظام البعث في العراق	Scientific lecture, photo presentation and scientific films	Oral and written tests
10	Theoretical2	مدينة حلبجة	مدينة حلبجة	Scientific lecture, photo presentation and scientific films	Oral and written tests
11	Theoretical2	تجفيف الاهوار	تجفيف الاهوار	Scientific lecture, photo presentation and scientific films	Oral and written tests
12	Theoretical2	جرائم المقابر الجماعية	جرائم المقابر الجماعية	Scientific lecture, photo presentation and scientific films	Oral and written tests
13	Theoretical2	الاحداث الممتدة من عام 1979 – 2003 م	1979 – الاحداث الممتدة من عام 2003م	Scientific lecture, photo presentation and scientific films	Oral and written tests
14	Theoretical2	احداث الانتفاض الشعبية وعلاقتها 1991م بالمقابر الجماعية	احداث الانتفاض الشعبية عام 1991 وعلاقتها بالمقابر الجماعية	Scientific lecture, photo presentation and scientific films	Oral and written tests
15	Theoretical2	مقابر الابادة الجماعية لضحايا الانتفاضة 1991م الشعبية لعام	مقابر الابادة الجماعية لضحايا 1991م الانتفاضة الشعبية لعام	Scientific lecture, photo presentation and scientific films	Oral and written tests

11. Course Evaluation

The distribution of the final grade out of 100 is as follows: For theoretical lessons, the effort is 30% and the final exam is 70%. As for theoretical and practical lessons, the effort is 40% and the final exam is 60%.

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)

Main references (sources)

Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	