

Faculty of Allied Medical Sciences

Department of Physical Therapy



Study Plan for the Bachelor Degree in Physical Therapy

2023/2022

Vision:

Excellence in learning and teaching of Allied Medical Sciences, Research, and Community Service

Mission:

Prepare qualified graduates in Allied Medical Sciences who possess scientific capabilities, clinical skills of international standards.

Program Objectives:

1. Acquire the skills and knowledge necessary to succeed in the Allied medical professions.
2. Apply critical thinking and problem-solving in clinical cases.
3. Promote scientific research for the faculty members.
4. Adopt a continuing education approach in the Allied Medical Sciences.
5. Instill professional ethics.
6. Develop the training skills of the faculty members.
7. Provide a distinguished level of academic activities and clinical training for the students.
8. Encourage voluntary work in the community service

Intended Learning Outcomes (ILOs):

.a	Knowledge of basic principles in anatomy, physiology, pathology, and general health related to understanding the movement of the body.
.b	Familiarity with functional problems through proper assessment and development of appropriate treatment plan for the patient's condition
.c	Diagnosis of functional problems taking into account the preventive aspects, and the practice of evidence-based therapy.
.d	Develop a treatment plan containing short and long-term goals commensurate with the assessment of the patient's condition.
.e	The application of creative thinking as a method in solving the problems of muscular and motor fitness in the patient.
.f	Work in a team and act responsibly in personal and professional situations
.g	The ability to apply the rules of behavior and medical ethics in the issuance of therapeutic judgments
.h	Rehabilitation of the injured by employing a range of natural means in conducting therapeutic exercises
.i	Apply general safety measures when dealing with patients

Framework for Physical Therapy Bachelor Degree 132 Cr. Hrs.)

Classification	Credit Hours			Percentage
	Compulsory	Elective	Total	
University Requirements	12	12	24	%18.18
Faculty Requirements	21		21	%15.95
Program Requirements	78		78	%59.15
Support Courses		6	6	%4.51
Free Electives		3	3	%2.21
Total			132	100

Course Numbering:

1	2	2	1	2	1	2	3
Faculty Code		Dept. Code		Course Level		Knowledge Field	Sequence

Knowledge Areas

Number	Knowledge Field
0	Basic sciences
1	Basic Medical Sciences
2	Musculoskeletal sciences
3	Neuro sciences
4	Clinical Practice + Physiotherapy means
5	cardiopulmonary, surgery and body systems
6	Allied Sciences

1. University Requirements: (24 Credit Hours)

1. Compulsory University Requirements: (12Credit Hours)

Course No.	Course Title	Cr. Hr.	Prerequisite	Corequisite
01101101	**Military Sciences	3		
01101102	English Language	3		
01101111	Arabic Language	3	01100011	
01101112	Civic Education	3	01100012	
Total		12		

2. Elective: 12 Credit Hours from the following courses.

Course No.	Course Title	Cr. Hr.	Prerequisite	Corequisite
01101103	Traffic Education	3	--	
01101104	Innovation and Entrepreneurship	3		
01101121	Life Skills	3		
01101131	Islamic Education	3		
01101132	Jerusalem and the Hashemite Custodianship	3		
01101141	Sport and Health	3		
01101142	Environment and Society	3		
01101151	Computer Skills	3		
01101152	Internet and Communication	3		
01101161	Economic Systems and Concepts	3		
01101171	Psychology and Society	3		
01101213	Communication Skills in Arabic	3	01101111	
01101214	Communication Skills in English	3	01101112	
01101243	Safety and First Aid	3		
01101281	Scientific Research Methods	3		
01101282	Introduction to Astronomy	3		
03011101	Law in our Life	3		
03021201	Human Rights	3		

2. Faculty Requirements: (21Credit Hours)

1. Compulsory Faculty Requirements: 21 Credit Hours)

Course No.	Course Title	Cr. hr.	Prerequisite	Corequisite
12012115	Pathology	3	—	12012115
12012216	Rehabilitation Psychology	2		12012216
12011218	Medical Ethics in Rehabilitation	1		12011218
11021205	General Medical Physics	3		11021205
11011281	General Biology	3		11011281
11011282	General Biology (Practical)	1	11011281	11011282
12011211	Anatomy	3	11011282	12011211
12011212	Anatomy (Practical)	1	12011211	12011212
11011107	General Chemistry	3	—	11011107
11011108	General Chemistry (Practical)	1	11011107	11011108
Total		21		

2.Faculty Requirements Electives: (..... Credit Hours)

Course No.	Course Title	Cr. hr.	Prerequisite	Corequisite

2. Department Requirements (84 Credit Hours)

1. Compulsory Department Requirements: (78 Credit Hours)

Course No.	Course Title	Cr. hr.	Prerequisite	Corequisite
12042221	Human Physiology	3	11011282 12011211	
12042222	Human Physiology (Practical)	1		12042221 _ط
12012121	Musculoskeletal Anatomy	2	12042221	
12012122	Musculoskeletal anatomy (Practical)	1		12012121 _ط
12012131	Neuro Anatomy	2	12042221	
12012132	Head & Neck anatomy	1	12042221/ 12012131	
12012119	Introduction to physical therapy	1	—	

12012123	Biomechanics & Kinesiology	2	-	
12012124	Biomechanics & Kinesiology (Practical)	1		م12012123
12012241	Test & measurements evaluation in P.T.	1	12012121 12012119	
12012242	Test & measurements evaluation in P.T. (Practical)	1		م12012241
12012243	Therapeutic exercise	2	12012123 12012242	
12012244	Therapeutic exercise (Practical)	1		م12012243
12013145	Electrotherapy	2	12012119	
12013146	Electrotherapy (Practical)	1		12013145
12012225	Musculoskeletal disorders and injures	2	12042221	
12012232	Neuro Science	3	12042221	
12012233	Neuro Science (Practical)	1		م12012232
12012236	Growth & Development	3	12012121 12012131	
12013226	Manual therapy	1	12012124	
12013227	Manual therapy (Practical)	1		م12013226
12013162	Geriatrics	2	12012244	
12013147	Orthotic & Prosthetics	3	12012123	
12013228	Physical therapy for Musculoskeletal disorders	2	12013226 12013227	
12013229	Physical therapy for Musculoskeletal disorders (Practical)	1		م12013228
12014134	Physical Therapy for Neurological disorders	2	12012232 12013226	
12014135	Physical Therapy for Neurological Condition (Practical)	1		12014134
12013151	Physical therapy for intensive care unit	2	12013226	
12013152	Physical therapy for intensive care unit (Practical)	1		م12013151
12013153	Physical therapy for cardiopulmonary disorders	2	12013226	
12013154	Physical therapy for cardiopulmonary disorders (Practical)	1		12013153
12013155	Physical therapy for metabolic disorders	2	12013226	
12013156	Physical therapy for metabolic disorders (Practical)	1		12013155
12014159	Physical Therapy for burn	1	12021212	
12014150	Physical Therapy for burn (Practical)	1		12014159
12014143	Physical Therapy for general Surgery	2	12021212	
12014144	Physical Therapy for general Surgery (Practical)	1		12014143
12013166	Principles of Medical Imaging	2	12042221	
12013137	Physical therapy for Pediatrics	3	12012119	
12013263	Sports injury rehabilitation	1	12042221 12013228	

12013264	Sports injury rehabilitation (Practical)	1		م12013263
12014148	Clinical Practice (1)	4	12013229 12014135 12014152	
12014249	Clinical Practice (2)	8	12014152	
12014268	Principals of scientific research & workshop in physical therapy	2	–	
Total		78		

2. Department Electives: (6Credit Hours)

Course No.	Course Title	Cr. hr.	Prerequisite	Corequisite
12014165	Community based Rehabilitation	3	12013145	
05023121	Pharmacology(1)	3	12042221	
12014217	Patient Care	3	12041218	
12014267	Management in Physical Therapy	3	–	
12012109	Biostatistics	3		
12014141	Physical therapy for gynecology & obstetrics	3	12042221	
12012169	Advanced physiology (2)	3	12042221	
Total		6		

4. Support Courses (... Credit Hours)

Course No.	Course Title	Cr. hr.	Prerequisite	Corequisite
Total				

5. Free Electives: 3 Credit Hours

Course No.	Course Title	Cr. hr.	Prerequisite	Corequisite
	Free Electives	3		
Total		3		

6. Study Plan Guide for the Bachelor Degree in Physical Therapy

First Year – first Term				
Co requisite	Prerequisites	Credit Hours	Course Title	Course Number
		3	General Biology	11011281
	11011281	1	General Biology (Practical)	11011282
		3	General Chemistry	11011107
	11011107	1	General Chemistry (Practical)	11011108
		3	General Medical Physics	11021205
		3	University Elective Requirements (1)	
		3	University Compulsory Requirements (1)	
		17	المجموع	
First Year – second Term				
Co requisite	Prerequisites	Credit Hours	Course Title	Course Number
	11011282	3	Anatomy	12021211
م12021212		1	Anatomy (Practical)	12021212
	12021212/11011282	3	Human Physiology	12042221
م12042221		1	Human Physiology (Practical)	12042222
		3	Pathology	12032115
		1	Medical Ethics in Rehabilitation	12041218
		3	University Elective Requirements (2)	
		3	University Compulsory Requirements (2)	
		18	المجموع	

Second Year – First Term

Co requisite	Prerequisites	Credit Hours	Course Title	Course Number
		1	Introduction to physical therapy	12012119
	12042221	2	Musculoskeletal Anatomy	12012121
م12012121		1	Musculoskeletal anatomy (Practical)	12012122
	12042221	2	Neuro Anatomy	12012131
م12012121		2	Biomechanics & Kinesiology	12012123
م12012123		1	Biomechanics & Kinesiology (Practical)	12012124
		2	Rehabilitation Psychology	12012216
	12042221 12012131	1	Head , Neck & chest anatomy	12012132
	12042221	2	Musculoskeletal disorders and injuries	12012225
		3	University Elective Requirements (3)	
		17	المجموع	

Second Year – second Term

Co requisite	Prerequisites	Credit Hours	Course Title	Course Number
	12012121/12012119	1	Evaluation in physical therapy (test & measurement)	12012241
م12012241		1	Evaluation in physical therapy (test & measurement) (Practical)	12012242
	12012123 / 12012242	2	Therapeutic exercise	12012243
م12012243		1	Therapeutic exercise (Practical)	12012244
	12012131	3	Neuro Science	12012232
م12012232		1	Neuro Science (Practical)	12012233
	12012131/12012121	3	Growth & Development	12012236
	12012119	2	Electrotherapy	12013145
م12013145		1	Electrotherapy (Practical)	12013146
		3	University Compulsory Requirements (3)	
		18	المجموع	

Third Year – First Term				
Co requisite	Prerequisites	Credit Hours	Course Title	Course Number
	12012119	3	Physical therapy for Pediatrics	12013137
	12012124	1	Manual therapy	12013226
م12013226		1	Manual therapy (Practical)	12013227
	12012123	3	Orthotic & Prosthetic	12013147
	12042221	2	Principles of Medical Imaging	12013166
	12021212	1	Physical Therapy for burn	12014159
	12014159	1	Physical Therapy for burn (Practical)	12014150
		3	University Elective Requirements (4)	
		15	المجموع	

Third Year – second Term				
Co requisite	Prerequisites	Credit Hours	Course Title	Course Number
	12012232/12013226	2	Physical Therapy for Neurological disorders	12014134
م12014134		1	Physical Therapy for Neurological disorders (Practical)	12014135
	12013226	2	Physical Therapy for Cardio Pulmonary disorders	12013153
	12013153	1	Physical Therapy for Cardio Pulmonary disorders (Practical)	12013154
	12021212	1	Physical Therapy for general Surgery	12014143
	12014143	1	Physical Therapy for general Surgery (Practical)	12014144
	12012244	2	Geriatrics	12013162
	12013227/12013226	2	Physical therapy for Musculoskeletal disorders	12013228
م12013228		1	Physical therapy for Musculoskeletal disorders (Practical)	12013229
		3	University Compulsory Requirements (4)	
		15	المجموع	

Fourth Year – First Term				
Co requisite	Prerequisites	Credit Hours	Course Title	Course Number
	12013226	2	Physical therapy for metabolic disorders	12014155
	12013154	1	Physical therapy for metabolic disorders (Practical)	12014156
	12013226	2	Physical therapy for intensive care unit	12013151
	12014135	1	Physical therapy for ICU (Practical)	12013152
	1204222/12013228 1	1	Sports injury rehabilitation	12013263
12013263		1	Sports injury rehabilitation (Practical)	12013264
	12013153	4	Clinical Practice (1)	12014148
		3	Free Elective	
		16	المجموع	

Fourth Year – second Term				
Co requisite	Prerequisites	Credit Hours	Course Title	Course Number
		3	Department Elective (1)	
		3	Department Elective (2)	
		2	Scientific research & workshop in physiotherapy	12014268
	12014148	8	Clinical Practice (2)	12014249
		16	المجموع	

Description of Courses offered by the Department of Physical Therapy

Course Number Course Name (Prerequisite: -) (.....) Cr. Hrs

Pathology: 12012115

3CH

Course Description

This course contains introduction to general and basic knowledge of diseases, their causes, pathogenesis, general morphological and changes at gross, microscopic and submicroscopic levels as well as the prognosis of the disease.

Psychology for Rehabilitation students: 12012216

2CH

Course Description

This course presents an introduction to psychology and deals with mental and psychological diseases with a focus on the impact of injuries and disabilities on the psychological and social situation of patients and the role of the natural therapist in improving the mental state of the injured.

Medical Rehabilitation Ethics 12011218

1CH

Course Description

Principles of medical ethics: Patient's rights (i.e., respect, privacy, integrity, & autonomy in making decisions; Patient's safety: Patient's protection act; Legal responsibility of physiotherapist for their action in professional context and understanding liability and obligations in case of medical legal action: Informed consent issues, confidentiality of patient's information; Legal issues: malpractice and negligence; Risk management; Infection control; Quality of services and Legal aspects: Enforcing standards in health professions to promote quality care; Rules of professional conduct: Relationship with patients, with colleagues, and with other professionals.

General Medical Physics 11021205

3CH

Course Description

This course will familiarize the students with the basic concepts and principles of mechanics (the motion of the objects ,laws of motion, work and energy), elasticity, and fluid dynamics. Describing the elasticity and general information about fluid dynamics, heat and temperature, waver (sound, electromagnetic).

General Biology 11011281

3CH

Course Description

Cell structure, cytology, cytology, cytology, cytology, cytology, cytology, cytology, molecular genetics, genetic code, multiplication and reproduction of genetic material, building proteins, inheritance of bacteria and viruses Living.

General Life Science Practical 11011282

1CH

Course Description

The material includes the study of cell structures, chemical components of the living cell and cellular activities (reproductive methods, enzymatic activities, physical properties, respiration and photosynthesis). The study also included the study of plant and animal tissues, the diversity of living organisms, and genetics.

Human anatomy: 12011211

3CH

Course Description

This course provides an theoretical introduction to general anatomy of the human body including anatomy of the skin, musculoskeletal system, nervous system, endocrine system, circulatory system, lymphatic system, respiratory system and urinary system.

Human anatomy Practical: 12011212

1CH

Course Description

This course provides practical anatomy of the human body including anatomy of the skin, musculoskeletal system, nervous system, endocrine system, circulatory system, lymphatic system, respiratory system and urinary system.

General Chemistry 11011107

3CH

Course Description

Chemical interactions, chemical calculations, gaseous states, thermal chemistry, electronic and periodic structure, chemical bonds, particle shapes, material states and the power of attraction between molecules, physical properties of solutions, principles of equilibrium.

General Chemistry practical 11011108

1CH

Course Description

The course aims at providing students with knowledge of basic laboratory techniques, determining the physical and chemical properties of the material, and how to determine the experimental formula between compounds.

Physiology: 12042221
3CH

Course Description

This course deals with the functions of the various body systems with some clinical applications related to the physiotherapy specialization, including study of the respiratory system, circulatory system, circulatory system, urinary system, gastrointestinal system, endocrine system, muscles and nervous system. Where natural functions.

Physiology practical: 12042222
1CH

Course Description

This course practical experience of functions of the various body systems with some clinical applications related to the physiotherapy specialization, including study of the respiratory system, circulatory system, circulatory system, urinary system, gastrointestinal system, endocrine system, muscles and nervous system. Where natural functions.

Musculoskeletal Anatomy: 12012121
2CH

Course Description

This course covers in greater depth skeletal system, the skeletal muscles system, and the articular system. The course will discuss all aspects of anatomical dimension, functional dimensions and neural supplement related to it.

Musculoskeletal Anatomy practical: 12012122
1CH

Course Description

This course provides a detailed explanation and practical application in the lab of the structural system, the musculoskeletal system and the articular system of the anatomical, functional aspects and the study of the nerves and blood vessels that feed this device.

Head , Neck & chest anatomy 12012132
1CH

Anatomy of parts of the body, partial parts of the spinal cord, roots and cervical vertebrae and their chronic relationship, and anatomy of the chest for small and large muscles.

Anatomy of the nervous system 12012131
2 CH

Course Description

The course includes the general layout of the nervous system, and a detailed study of anatomy of the brain and spinal cord, the ascending and descending tracts of the cord and the distribution of the cranial nerves, the vascular supply to the brain and the cerebrospinal fluid.

Introduction to Physical Therapy: 12012119

1CH

Course Description

This course introduces students to physical therapy, focusing on the role of physiotherapists in the prevention and treatment of disease, teaching, research, medical consultation and treatment of patients

Biomechanics &Kinesiology: 12012123

2 CH

Course Description

This theory course includes basic concepts and terminology of Kinesiology, It deals with different types of forces, analysis the human body motion kinetic and kinematic. It is also include understanding gait analysis, and natural biomechanics of bone and soft tissue under normal and pathological conditions.

Biomechanics & Kinesiology practical: 12012124

1CH

Course Description

This course practical application in the laboratory of basic concepts and terminology of motion science. And deals with different types of forces and analysis and applications on the human body. Uses of mechanics in physiotherapy. It also includes understanding walking analysis and natural biomechanics of bone and soft tissue under normal and pathological conditions.

Test & Measurement Evaluation in P.T.: 12012241

1CH

Course Description

A principal course in which the students are trained on methods of assessment of the musculoskeletal system from physiotherapy view. It includes the manual muscle testing for upper, lower extremities, trunk and neck muscles. Measurement of range of motion for body joints generally..

Test & Measurement Evaluation in P.T.:practical: 12012242

1CH

Course Description

A practical course in which the students are trained on methods of assessment of the musculoskeletal system from physiotherapy view. It includes the manual muscle testing for upper, lower extremities, trunk and neck muscles. Measurement of range of motion for body joints generally.

Therapeutic exercise: 12012243

2CH

Course Description

This course provide introduction for therapeutic exercises and methods of use and application in physical therapy, include the different types of passive and active movements, the types of muscle effort and ways of strengthening the muscle groups or individually, and flexibility exercises, in addition to the practical training of students to apply different types of exercises.

Therapeutic exercise practical: 12012244

1CH

Course Description

This course introducing a practical information about therapeutic exercises and methods of use and application in physical therapy, include the different types of passive and active movements, the types of muscle effort and ways of strengthening the muscle groups or individually, and flexibility exercises, in addition to the practical training of students to apply different types of exercises.

Electro-Therapy: 12013145

2CH

Course Description

This course includes types of electrical currents used to raise electrical nerve, muscle and physiological effects and therapeutic uses in addition to the risks and preventive measures and students are trained on how to use electrical appliances. It also includes physiological effects of hydrotherapy, its uses, dangers, and preventive measures in addition to ways of using water treatment devices, students are trained in the use of these devices.

Electro-Therapy practical: 12013146

1CH

Course Description

This course is a practical application for the types of electrical currents used to stimulate the nerves and muscles and its use as preventive measures. Students are required to practice on how to use therapeutic electrical appliances safely.

Musculoskeletal disorders and injures 12012225

2CH

Course Description

This course introduce the musculoskeletal conditions that will be dealt with in physical therapy profession. These conditions range from congenital to acquired cases. We will go throw body sections and different joints, study evaluation, symptoms and specific test for special cases

Neurology Science: 12012232

3 CH

Course Description

This course introduces students to the neurosciences related to motor control and motor disorders. The course establishes and improves the principles of neurosciences for physical therapy students. Those neurosciences principles will be related to further course such as physical therapy for neurological disorders.

Neurology Science practical: 12012233

1CH

Course Description

This course contains information on how to control the nervous system and a detailed description of the most common neurological diseases among adults, their development and clinical symptoms . it also focuses on acquiring and developing multiple methods for evaluation various neurological diseases.

Neuromuscular development

12012236

3 CH

Course Description

This course is designed to explore factors affecting motor and neural development across the life span as they relate to physiotherapy. Different theories regarding motor behavior will be explored from the fetal period through the years of adulthood.

Manual Therapy:

12013226

1CH

Course Description

This course provides theoretical approaches of manual therapy designed to teach students specific practical techniques to increase the level of joints movement of the upper and lower limbs, as well as increase the level of movement in the spine and maintain the level of normal movement in all joints of the body

Manual Therapy practical:

12013227

1CH

Course Description

This course equipped students with a practice experience of the methods of manual therapy which designed to teach students specific practical techniques to increase the level of joints movement of the upper and lower limbs, as well as increase the level of movement in the spine and maintain the level of normal movement in all joints of the body

Physical Therapy for Geriatric:

12013162

2H

Course Description

This course provides a detailed information aging and physiological changes that occur in the human body during the age and focus on changes in the nervous system and circulatory system and musculoskeletal system and discusses the methods of evaluating the activity of the elderly and methods of physical therapy appropriate

Orthotics & Prosthetics :

12013147

3CH

Course Description

This course presents a review of the role of prostheses in the rehabilitation of patient with motor disabilities and the identification of types of prostheses suitable for various diseases and types of better and appropriate limbs and compensatory devices and cooperation with the art of artificial limbs to reach the best results in the rehabilitation of the patients.

Research Methods:

12013161

3CH

Course Description

This course is an introduction to the research methods in physiotherapy profession. Topics covered include: research design, hypothesis, Identify research problems and sampling procedures, literature review, and writing skills.

Physical Therapy for Musculoskeletal disorders : 12013228

CH 2

Course Description

This course introduce the professional aspects of assessing and using the methods and means of physiotherapy for bone and muscular diseases, including fractures of various types, and focuses on spine disorders and joint diseases in the upper and lower limbs, including assessment and treatment methods.

Physical Therapy for Musculoskeletal disorders practical: 12013229

1CH

Course Description

This course provides practical experience in the laboratory to assess the cases and the use of methods and means of physical therapy for cases of bone and muscle diseases, including fractions of all types and focuses on diseases of the spine and joint diseases in the upper and lower limbs, including the means of assessment and treatment.

Physical Therapy for neurological cases:

12014134

2CH

Course Description

The course includes clinical knowledge and skills are needed for physiotherapy evaluation and management of neurological disorders. The course allows students to independently evaluate, treat, and set long- and short-term goals for the patients with neurological impairments.

Physical Therapy for neurological cases practical:

12014135

Course Description

The course applies practically clinical knowledge and skills are needed for physiotherapy evaluation and management of neurological disorders. The course allows students to independently evaluate, treat, and set long- and short-term goals for the patients with neurological impairments.

Physical therapy for intensive care unit: (1201351)

CH 2

Course Description

Intensive care unit (ICU) is the most required area to treat patients who admitted for an unconscious, cardiopulmonary arrest, drowning, poisoning, cerebrovascular accidents, acute post-operative surgery patients etc. for improving their health with various treatment procedures. Physiotherapy is one of the treatment procedures in inside the ICU to regain the patient's mobility and stability with the use of procedures such as chest physiotherapy,

Physical therapy for intensive care unit practical :(1201352)

CH 1

Course Description:

This course focus in application of various physical therapy modalities that can be enhance the patient systems (circulatory ,respiratory ,musculoskeletal systems)

Physical Therapy for surgery:
2 CH

12014153

Course Description

The course focuses on theoretical aspects of physical therapy in cases of burns. It also includes a focus on physiotherapy in burn & injury to the skin or other organic tissue primarily caused by exposure to heat or other causative agents (radiation, electricity, chemicals).

Physical Therapy for burn practical:
CH 1

12014154

This course focuses on the physical therapy evaluation and management in cases of burns with methods as improving range of motion and improve skin mobility and dealing with inhalation injury with respiratory exercise.

Physical therapy for Metabolic disorder:
CH 2

(1201455)

Course Description

The goal of this course is to reduce the risk of heart disease and diabetes by controlling the associated problematic health conditions (high blood pressure, high cholesterol, diabetes, insulin resistance)

Physical therapy for Metabolic disorder practical (1201456)
CH 1

Course Description

The goal of this course is to apply the methods of physical therapy that reduce the risk of heart disease and diabetes by controlling the associated problematic health conditions (high blood pressure, high cholesterol, diabetes, insulin resistance)

Physical Therapy for burn 12014159
CH 1

The student can evaluate the area and depth of the injury, evaluate and know the condition of the respiratory system, evaluate the injury to the skin or other organic tissues, resulting mainly from exposure to heat or other causative factors such as (radiation, electricity, and chemicals), and provide physical therapy methods to restore the elasticity of the skin and Strengthening muscles and joint range of motion and improving wound healing

Physical Therapy for burn Practical 12014150
CH 1

Applying an assessment of the patient's condition, determining the severity of the burn according to the area and depth, and applying therapeutic methods to preserve the skin, muscles, and range of motion of the joints.

Physical Therapy for general Surgery 12014143

CH 1

Physical therapy helps surgical patients regain mobility, recover faster, and improve the wound healing process after surgery. It controls pain and maintains the flexibility of muscles, joints and tissues during the clinical recovery period

Physical Therapy for surgery practical: 12014144

CH 1

The course focuses on theoretical aspects of physical therapy in cases of surgery. It also includes a focus on physiotherapy in postoperative situations. It covers abdominal surgery, skin surgery, deep wound healing, bed ulcers, breast surgery and women's surgery

Principles of Diagnostic Radiology:

12013166

2CH

Course Description

This course will introduce the basic information about X ray used for diagnosis and assessments of different ailment. It will inform students about the diagnostic X ray. Also it will help students to explore methods and types of x ray like US and CTS and MRI .

Pediatric Physical Therapy:

12013137

3CH

Course Description

This course provides extensive information on pediatric diseases and focuses on diseases related to the nervous system, the musculoskeletal system, congenital diseases of birth, and methods of physiotherapy.

Sports injury rehabilitation

12013263

1 CH

Course Description

This course introduces students to the natural treatment of sports injuries, bones and joints resulting from accidents outside and inside sports fields. It includes the identification of risk factors, first aid kits for sports injuries and fracture-related injuries, rehabilitation of these injuries and rehabilitation of the injured athlete, including examination, diagnosis, intervention and outcome

Sports injuries rehabilitation practical:

12013264

1CH

Course Description

This course offers a practical application to deal with sports injuries, bones and joints resulting from accidents outside and inside sports fields. Including the identification of risk factors, how to use first-aid kits for sports injuries and fracture-related accidents, rehabilitation of these injuries and rehabilitation of the injured athlete, including examination, diagnosis, intervention and outcome

Clinical Training 1&2 **12014148& 12014249**
(4 + 8 CH)

Course Description

This is a clinical training period for students to acquire skills in assessment, treatment and patient management in all areas of physical therapy, It is divided into 2 periods. The first period is 4 credit hours, students must spend two full days a week in a clinical training center for 16 weeks, 8 hours a day.

The second period of 8 credit hours consists of working 8 hrs /4 days a week for 16 weeks. During this periods, students were supposed to practice under supervision of clinical instructors to acquire physiotherapy skills in cases of heart and lung disease, orthopedic surgery, neurology and pediatrics.

Symposium on Physiotherapy **12014268**
2CH

Course Description

In this course, the student selects a clinical case as a research project. The student starts by conducting a literature review about the methods of evaluation and treatment in such cases. Finally, a presentation is to be made at the end of semester to colleagues in a seminar format.

Community Rehabilitation **12014165**
3CH

Course Description:

This course introduces students to the basic principles of community Rehabilitation programs, medical qualification and teamwork. It highlights the role of each of the rehabilitation team member and its relation to the roles of other members. The course also focuses on the medical and research ethics of rehabilitation team members in clinics and hospitals.

Pharmacology **05023121**
3CH

Course Description:

This article deals with the effect of different drugs on the human, and the knowledge of the effectiveness of the drug correctly and treated in a manner not affected the health of the patient.

Patient care principle: **12014217**
3CH

Course Description

This course is to prepare the future therapist to interact with patients, families of patients and other relevant individuals at all levels. Taking into account the psychosocial conditions in the development of self-understanding and communication skills with patients, families, the public and other health teams.

Management in physical therapy services: **12014267**
3CH

Course Description

The course is an introduction to the administration of hospitals and physiotherapy services. Topics covered include: departmental design, record, procedure manuals, scheduling of patients, recruiting, supervising and evaluating staff. The course also touches on the ethics of physical therapy.

Biostatistics: 12012109
3CH

Medical statistics is an important sector in the health fields, as the student can collect data, collect and analyze data, use appropriate statistical models and methods, and draw conclusions.

P.T. for gynecology & obstetrics 12014141
CH 3

It is interested in studying the components of the pelvis and the diseases that affect women's urinary and reproductive systems and their general health, which affect their functional performance, especially during the different stages of pregnancy, childbirth, and women's rehabilitation afterward. It includes the practical application of physical therapy methods that care about women's health, strengthening the psoas muscles, and therapeutic exercises for the back and abdominal muscles after childbirth.

Advanced physiology) 2 12021169
CH 3

Physiology of pain, joint functions, the effect of joint wear and osteoporosis, how to measure them and determine their causes.