

# Faculty of Allied Medical Sciences

## Department of Physical Therapy

### Study Plan for the Bachelor Degree in Physical Therapy

**2021 / 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
<b>Total</b>			<b>132</b>	<b>100</b>

**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	
<b>Total</b>		<b>12</b>		

**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
<b>Total</b>		<b>21</b>		

### 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
12011213	Human Physiology	3	11011282 12011211	
12011214	Human Physiology (Practical)	1		12011213
12012121	Musculoskeletal Anatomy	2	12011213	
12012122	Musculoskeletal anatomy (Practical)	1		12012121
12012130	Neuro Anatomy	3	12011213	
12012119	Introduction to physical therapy	1	–	
12012123	Kensiology	2	–	
12012124	Kensiology (Practical)	1		12012123
12012241	Evaluation in physical therapy	1	12012121	

			12012119	
12012242	Evaluation in physical therapy (Practical)	1		12012241
12012243	Therapeutic exercise	2	12012123 12012242	
12012244	Therapeutic exercise (Practical)	1		12012243
12013145	Electrotherapy	2	12012119	
12013146	Electrotherapy (Practical)	1		12013145
12012220	Mussels Related injuries & Pathology	3	12011213	
12012232	Neuro Science	3	12011213	
12012233	Neuro Science (Practical)	1	12012232	12012232
12012236	Growth & Development	3	12012121 12012131	
12013220	Manual therapy	2	12012124	
12013227	Manual therapy (Practical)	1		12013226
12013160	Geriatrics	3	12012244	
12013147	Orthotic & Prosthetic	3	12012123	
12013161	Research Methodology	3	12013145 12013146	
12013228	Physical therapy for Musculo Skelatal Condition	2	12013226 12013227	
12013229	Physical therapy for Musculo Skelatal Condition (Practical)	1		12013228
12014134	Physical Therapy for Neurological Condition	2	12012232 12013226	
12014135	Physical Therapy for Neurological Condition (Practical)	1		12014134
12014151	Physical Therapy for Cardio Pulmonary Condition	2	12013226	
12014152	Physical Therapy for Cardio Pulmonary Condition (Practical)	1		12014151
12014153	Physical Therapy for Surgical & Burns Condition	2	12011211	
12014154	Physical Therapy for Surgical & Burns Condition (Practical)	1		12014153
12013106	Principles of Medical Imagening	3	12011213	
12013137	Physical therapy for Pediatrics	3	12012119	
12013260	Sport Therapy	2	12011213 12013228	
12013264	Sport Therapy (Practical)	1		12013263
12014148	Clinical Practice (1)	4	12013229 12014135 12014152	
12014249	Clinical Practice (2)	8	12014152	
12014260	Seminar in Physical Therapy	1	—	
<b>Total</b>		<b>78</b>		

## 2. Department Electives: (6Credit Hours)

Course No.	Course Title	Cr. hr.	Prerequisite	Corequisite
12014165	Community based Rehabilitation	3	12013145	
12014169	Pharmacology	3	—	
12014217	Patient Care	3	—	
12014267	Management in Physical Therapy	3	—	
<b>Total</b>		<b>6</b>		

## 4. Support Courses (... Credit Hours)

Course No.	Course Title	Cr. hr.	Prerequisite	Corequisite
<b>Total</b>				

## 5. Free Electives: 3 Credit Hours

Course No.	Course Title	Cr. hr.	Prerequisite	Corequisite
	Free Electives	3		
<b>Total</b>		<b>3</b>		

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

First Year				
First Term				
Course No.	Course Title	Cr. hrs.	Prerequisite	Corequisite
01101111	Arabic Language	3	101099	
01101112	English Language	3	102099	
11011281	General Biology	3		
11011282	General Biology (Practical)	1	11011281	
	1 University Elective	3		
11011107	General Chemistry	3		
11011108	General Chemistry (Practical)	1	11011107	
	<b>Total</b>	<b>17</b>		
Second Term				
Course No.	Course Title	Cr. hrs.	Prerequisite	Corequisite
01101111	Military Sciences	3	101099	
01101112	Civic Education	3	102099	
11011281	Anatomy	3		
11011282	Anatomy (Practical)	1	11011281	
	Human Physiology	3		
11011107	Human Physiology (Practical)	1		
11011108	Medical Ethics in Rehabilitation	1	11011107	
11021205	General Medical Physics	3		
	<b>Total</b>	<b>18</b>		



Second Year				
First Term				
Course No.	Course Title	Cr. hrs.	Prerequisite	Corequisite
12012121	Musculoskeletal Anatomy	2	12011213	
12012122	Musculoskeletal anatomy (Practical)	1		μ12012121
	2 University Elective	3		
12012130	Neuro Anatomy	3	12011213	
12012123	Kensiology	2	12011213	
12012124	Kensiology (Practical)	1		μ12012123
12012115	Pathology	3		
12012119	Introduction to physical therapy	1	12011213	
	<b>Total</b>	<b>16</b>		
Second Term				
Course No.	Course Title	Cr. hrs.	Prerequisite	Corequisite
12012241	Evaluation in physical therapy	1	12012119/12012121	
12012242	Evaluation in physical therapy (Practical)	1		μ12012241
12012243	Therapeutic exercise	2	12012242/12012123	
12012244	Therapeutic exercise (Practical)	1		μ12012243
12012220	Mussels Related injuries & Pathology	3	12011213	
12012232	Neuro Science	3	12011213	
12012233	Neuro Science (Practical)	1		μ12012232
12012236	Growth & Development	3	12012131/12012121	
12012216	Rehabilitation Psychology	2		
	<b>Total</b>	<b>17</b>		

Third Year				
First Term				
Course No.	Course Title	Cr. hrs.	Prerequisite	Corequisite
12013160	Geriatrics	3	12012244	
12013137	Physical therapy for Pediatrics	3	12012119	
12013106	Principles of Medical Imaging	3	12011213	
12013161	Research Methodology	3	/12013145 12013146	
12013147	Orthotic & Prosthetic	3	12012123	
12013145	Electrotherapy	2	12012119	
12013146	Electrotherapy (Practical)	1		12013145
	<b>Total</b>	<b>18</b>		
Second Term				
Course No.	Course Title	Cr. hrs.	Prerequisite	Corequisite
	Free Elective	3		
12013220	Manual therapy	2	12012124	
12013227	Manual therapy (Practical)	1		12013226
12013228	Physical therapy for Musculo Skelatal Condition	2	12013227/12013226	
12013229	Physical therapy for Musculo Skelatal Condition (Practical)	1		12013228
	University Elective3	3		
	University Elective4	3		
12013260	Sport Therapy	2	12013228/12011213	
12013264	Sport Therapy (Practical)	1		12013263
	<b>Total</b>	<b>18</b>		

Fourth Year				
First Term				
Course No.	Course Title	Cr. hrs.	Prerequisite	Corequisite
12014134	Physical Therapy for Neurological Condition	2	12013226/12012232	
12014135	Physical Therapy for Neurological Condition (Practical)	1		12014134
12014151	Physical Therapy for Cardio Pulmonary Condition	2	12013226	
12014152	Physical Therapy for Cardio Pulmonary Condition (Practical)	1		12014151
12014153	Physical Therapy for Surgical & Burns Condition	2	12011211	
12014154	Physical Therapy for Surgical & Burns Condition (Practical)	1		12014153
12014148	Clinical Practice (1)	4	12013229/12014135/12014152	
	Department Elective	3		
	<b>Total</b>	<b>16</b>		
Second Term				
Course No.	Course Title	Cr. hrs.	Prerequisite	Co requisite
	2 Department Elective	3		
12014249	Clinical Practice (2)	8	<u>12014152</u>	
12014260	Seminar in Physical Therapy	1		
	<b>Total</b>	<b>12</b>		

**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: 12011213**  
**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: 12011214**  
**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.

**Anatomy of the nervous system 12012130**  
**3 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

**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.

**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.

**Musculoskeletal Evaluation:** 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..

**Musculoskeletal Evaluation 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:**  
2CH

12013145

**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:**  
1CH

12013146

**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 injuries and pathology**  
3CH

12012220

**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:**  
3 CH

12012232

**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:**  
1CH

12012233

**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**  
3 CH

12012236

**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: 12013220**  
**2CH**

**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: 12013160**  
**3H**

**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 Conditions: 12013228**

**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 Conditions 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 cardiopulmonary system:**

**12014151**

**3CH**

**Course Description**

This course will provide theoretical information in cardiopulmonary system and how it dealt with in physical therapy, it will include in depth cardiac and respiratory disease where the students will be required to understand physical therapy treatment protocols in different cardiovascular and respiratory problems.

**Physical Therapy for cardiopulmonary system practical:**

**12014152**

**1CH**

**Course Description**

This course will provide practical information in cardiopulmonary system and how it dealt with in physical therapy, it will include in depth cardiac and respiratory disease where the students will be required to understand physical therapy treatment protocols in different cardiovascular and respiratory problems

**Physical Therapy for surgery and burn:**

**12014153**

**2 CH**

**Course Description**

The course focuses on theoretical aspects of physical therapy in cases of burns and 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, as well as burns,

**Physical Therapy for surgery and burn practical: 12014154**  
**1 CH**

**Course Description**

This course focuses on the practical application of physical therapy in cases of burns and surgery. It is also focus on physiotherapy practice in postoperative situations. It covers abdominal and skin surgery, deep wound healing, bed ulcers, breast surgery and women's surgery, as well as burns.

**Principles of Diagnostic Radiology: 12013106**  
**3CH**

**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 injuries 12013260**  
**2 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 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**

**12014260**

**1CH**

### **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**

**12014169**

**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.