



نموذج توصيف المقررات على موقع الجامعة

كلية: الصحة وعلوم التأهيل

قسم : علوم التأهيل

برنامج : علاج طبيعي

Introduction to biomechanics	اسم المقرر (Course title)
HPT212	رمز المقرر (Course code)
2	عدد الوحدات المعتمدة (Credit hours)
English	اللغة (Medium of instruction)
This course is providing introduction to biomechanics of movement either human movements and any material motion based on physics and mathematical laws that identify relationship with skeleton and musculoskeletal motion.	توصيف مختصر للمقرر (Course description)
Introduction to physical therapy	اسم المقرر (Course title)
HPT 213	رمز المقرر (Course code)
1	عدد الوحدات المعتمدة (Credit hours)
English	اللغة (Medium of instruction)
This course provides an explanation of the philosophy and history of the physical therapy profession and its relationship to other health care agencies and providers. This course provides a good idea about different physical therapy specialties with respect to examination and methods of treatment.	توصيف مختصر للمقرر (Course description)
Tests and measurement 1	اسم المقرر (Course title)
HPT 214	رمز المقرر



	(Course code)
3	عدد الوحدات المعتمدة (Credit hours)
English	اللغة (Medium of instruction)
The purpose of this course is to appraise the importance and practical benefits of test and measurements .Demonstrate how to prepare environment, equipment and patient for evaluation procedures. Have the ability to conduct gross and individual muscle testing. Classify and identify different grades of muscle evaluation. Apply different techniques of muscle testing with respect to both therapist and patient mechanical advantage. Show professional behavior and attitude.	توصيف مختصر للمقرر (Course description)
HUMAN ANATOMY	اسم المقرر (Course title)
HPT 215	رمز المقرر (Course code)
3	عدد الوحدات المعتمدة (Credit hours)
English	اللغة (Medium of instruction)
The course introduces an overview that covers anatomical regions in greater depth. Topics include: the skeletal system, and the muscular system, . More focus on joints and muscles of the upper and lower limbs (their origins, insertions, nerve supplies and actions)	توصيف مختصر للمقرر (Course description)
Human Physiology	اسم المقرر (Course title)
HPT 216	رمز المقرر (Course code)
3	عدد الوحدات المعتمدة (Credit hours)
English	اللغة (Medium of instruction)



This course is concerned with the study of the function of different body systems and its clinical applications in physical therapy. It includes the study of blood, circulation, respiration, regulation of water and electrolyte balance, digestion and absorption of food, musculoskeletal and nervous systems. It is also include the study of different pathological diseases that disturb normal physical function activity.

توصيف مختصر للمقرر
(Course description)

Electrotherapy

اسم المقرر
(Course title)

HPT 217

رمز المقرر
(Course code)

2

عدد الوحدات المعتمدة
(Credit hours)

English

اللغة
(Medium of instruction)

This course deals with the physical principles associated with electricity and methods used in physical therapy. The course contains detailed on types of electrical currents used to raise electrical nerve, muscle and physiological effects an therapeutic uses in addition to the risks and preventive measures to be used, and students are trained on the how to use electrical appliances for each type of electric waves used in the treatment such as interferential, faradic and galvanic currents

توصيف مختصر للمقرر
(Course description)

NEUROANATOMY

اسم المقرر
(Course title)

HPT 221

رمز المقرر
(Course code)

٢

عدد الوحدات المعتمدة
(Credit hours)

English

اللغة
(Medium of instruction)

The course includes the general layout of the nervous system, and a detailed study of anatomy of the brain and spinal cord include: different parts of brain and spinal cord, the ascending and descending tracts, the distribution of the

توصيف مختصر للمقرر
(Course description)



cranial and spinal nerves, the vascular supply to the central nervous system and the cerebrospinal fluid.	
Neurophysiology	اسم المقرر (Course title)
HPT 222	رمز المقرر (Course code)
3	عدد الوحدات المعتمدة (Credit hours)
English	اللغة (Medium of instruction)
This course introduces the function of the nervous system including the spinal cord, cerebellum, peripheral nerves, the brain, midbrain, medulla oblongata, cerebral cortex and the somatic receptors, pain physiology, neural tracts and lesions , plasticity, physiology of reflexes , vestibular system and basal ganglia	توصيف مختصر للمقرر (Course description)
Pathophysiology	اسم المقرر (Course title)
HPT 223	رمز المقرر (Course code)
3	عدد الوحدات المعتمدة (Credit hours)
English	اللغة (Medium of instruction)
The course studies the biological processes that lead to a disease and other forms of diseases, and harmful distortions, and disabilities. The course also studies the functional changes that occur in cells and tissues and organs at the onset of disease.	توصيف مختصر للمقرر (Course description)
Test and Measurements (2)	اسم المقرر (Course title)
HPT 224	رمز المقرر (Course code)



2	عدد الوحدات المعتمدة (Credit hours)
English	اللغة (Medium of instruction)
The purpose of this course is to appraise the importance and practical benefits of different tests and measurements techniques , demonstrate how to prepare environment, equipment and patient for evaluation procedures, and how to apply different techniques of muscle testing with respect to both therapist and patient mechanical advantage	توصيف مختصر للمقرر (Course description)
Basic life support techniques	اسم المقرر (Course title)
HRS 114	رمز المقرر (Course code)
3	عدد الوحدات المعتمدة (Credit hours)
English	اللغة (Medium of instruction)
The course is lectures and practices which develops the student's knowledge and performances on the basic concepts first aid and cardiopulmonary resuscitation. The student will also be learning how to assess and deal with emergencies such as unconscious client, bleeding, fractures, shock, chocking , diabetic coma ,bronchial asthma attack, poisoning, stroke, and cardiac attacks .	توصيف مختصر للمقرر (Course description)
Therapeutic Exercises 1	اسم المقرر (Course title)
HPT 332	رمز المقرر (Course code)
3	عدد الوحدات المعتمدة (Credit hours)
English	اللغة (Medium of instruction)
This course include an introduction to the theory and scientific principles of basic exercise techniques related to	توصيف مختصر للمقرر (Course description)



muscle performance (including strength, power, and endurance) and stretching/flexibility activities used in rehabilitation for patient with musculoskeletal or neuromuscular dysfunction.	
Human Biomechanics	اسم المقرر (Course title)
HPT333	رمز المقرر (Course code)
3	عدد الوحدات المعتمدة (Credit hours)
English	اللغة (Medium of instruction)
This course is teaching biomechanics of human movement based on physics and mathematical laws that identify relationship with skeleton and musculoskeletal motion. To analyze, compare, study, judge, contrast, and find results of natural and pathomechanics in joints and muscles. It leads students to observe and find out the description and the cause of abnormal movements in human body motion.	توصيف مختصر للمقرر (Course description)
Psychosocial Aspects of Health and Disease	اسم المقرر (Course title)
HPT 334	رمز المقرر (Course code)
2	عدد الوحدات المعتمدة (Credit hours)
English	اللغة (Medium of instruction)
This course will introduce to the students basic concept of health and disease and behavior theories which related to the field of health and disease by enhancing students understanding regarding emotional reactions to disability, and psychosocial aspects of disability as they relate to patient-physical therapist interaction; specific problems of the angry, non-compliant, or chronic pain patient and complementary roles of other health professionals	توصيف مختصر للمقرر (Course description)



Electrotherapy and Hydrotherapy	اسم المقرر (Course title)
HPT 315	رمز المقرر (Course code)
3	عدد الوحدات المعتمدة (Credit hours)
English	اللغة (Medium of instruction)
The course is designed to provide the students the ability to apply electrotherapy stimulation and hydrotherapy applications as therapeutic modalities in different situations according to patient's problem with understanding to the nature, indications and contra- indications of electrical stimulating currents and electrical waves.	توصيف مختصر للمقرر (Course description)
Clinical Pharmacology for Physiotherapist	اسم المقرر (Course title)
HPT 316	رمز المقرر (Course code)
2	عدد الوحدات المعتمدة (Credit hours)
English	اللغة (Medium of instruction)
The course will cover the basic general pharmacological principles. The clinical uses and physiological effect of drug in body systems; the common drugs, its mechanism of action effects, side-effects and different doses used for the patients that can be indicated in treatment of cardiovascular, respiratory and nervous systems disorders.	توصيف مختصر للمقرر (Course description)
Cardiopulmonary Physical Therapy	اسم المقرر (Course title)
HPT 331	رمز المقرر (Course code)
3	عدد الوحدات المعتمدة (Credit hours)
English	اللغة (Medium of instruction)



الوصف المختصر للمقرر (Course description)	
The course will familiarize Physical Therapy students with basic knowledge in anatomy, physiology, common diseases/ conditions involving cardiac and pulmonary systems, as well as the various types of interventions for treatment. There will be an emphasis on providing appropriate physical therapy examination, evaluation, interventions, prognosis, and outcomes for patients with cardiopulmonary disease.	اسم المقرر (Course title)
HPT 335	رمز المقرر (Course code)
3	عدد الوحدات المعتمدة (Credit hours)
English	اللغة (Medium of instruction)
This course include prescription and application of different types of exercise employed by physical therapists for the promotion, maintenance, and restoration of optimal health and physical function also case based instruction, evidence-based practice and clinical reasoning are emphasized	الوصف المختصر للمقرر (Course description)
Physical Therapy for Burn and Surgery	اسم المقرر (Course title)
HPT 323	رمز المقرر (Course code)
3	عدد الوحدات المعتمدة (Credit hours)
English	اللغة (Medium of instruction)
The course focuses on burn causes and the accompanied pathophysiological changes. It provide the students with the suitable tools for a proper evaluative procedure (s) to the patient and to Identify indications and contra-indication of every current modality in physiotherapy. It also focus on the management of some post-operative cases.	الوصف المختصر للمقرر (Course description)



Physical Therapy for Neurological Disorders	اسم المقرر (Course title)
HPT 324	رمز المقرر (Course code)
3	عدد الوحدات المعتمدة (Credit hours)
English	اللغة (Medium of instruction)
this course develop a clear understanding of the etiology, pathology, prognosis and clinical feature of the most common neurological diseases affecting adult people and gives the basic and traditional physical therapy assessment and treatment for the most common neurological disorders.	توصيف مختصر للمقرر (Course description)
Physical Therapy in Pediatrics	اسم المقرر (Course title)
HPT 325	رمز المقرر (Course code)
3	عدد الوحدات المعتمدة (Credit hours)
ENGLISH	اللغة (Medium of instruction)
The course provide the student with the different pediatric diseases and develop skills about the use of physiotherapy methods used in evaluation and treatment of different pediatric diseases. Also it concern with the creation of therapeutic programs used in treatment.	توصيف مختصر للمقرر (Course description)
Musculoskeletal System Evaluation	اسم المقرر (Course title)
HPT 411	رمز المقرر (Course code)
2	عدد الوحدات المعتمدة (Credit hours)
English	اللغة



	(Medium of instruction) اللغة
This course outlines the concepts of the basic principles of musculoskeletal examination to select the proper test for each case and use the appropriate equipment needed to perform proper case evaluation and management.	توصيف مختصر للمقرر (Course description)
Research in Physical Therapy – 1	اسم المقرر (Course title)
HPT 412	رمز المقرر (Course code)
2	عدد الوحدات المعتمدة (Credit hours)
English	(Medium of instruction) اللغة
The course focus on normal structural and functional basis of the scientific research, methods of research, as well as validity and reliability measurements. It Provides the student the needed information of the basic principles and purpose of research, Supply the student with the basic research tools and help the student selecting suitable research designs and methods..	توصيف مختصر للمقرر (Course description)
Clinical Neurology	اسم المقرر (Course title)
HPT 413	رمز المقرر (Course code)
2	عدد الوحدات المعتمدة (Credit hours)
English	(Medium of instruction) اللغة
The course aims in applying modern clinical therapeutic physical therapy modalities in treatment of neurological diseases and its surgery. The principles and clinical therapeutic skills in treatment of patients in hospital.	توصيف مختصر للمقرر (Course description)



Traumatology	اسم المقرر (Course title)
HPT-414	رمز المقرر (Course code)
3	عدد الوحدات المعتمدة (Credit hours)
English	اللغة (Medium of instruction)
This course is designed to give knowledge and explanation of trauma affecting the musculoskeletal system and joint injuries. The course also covers the types of fractures and dislocation, and the treatment methods.	توصيف مختصر للمقرر (Course description)
Clinical Practice in Pediatrics	اسم المقرر (Course title)
HPT 415	رمز المقرر (Course code)
3	عدد الوحدات المعتمدة (Credit hours)
ENGLISH	اللغة (Medium of instruction)
The course aims in applying modern clinical therapeutic physical therapy modalities in treatment of pediatric patients and its surgery. The principles and clinical therapeutic skills in treatment of patients with different developmental disorders; Cerebral palsy, high risk infants, prematurity, Genetic disorders, autism, brachial plexus lesions, myopathies, peripheral neuropathies, facial nerve lesions, osteogenesis imperfect and congenital orthopedic disorders in children as well as other pediatric patients in hospital	توصيف مختصر للمقرر (Course description)
Diagnostic Imaging for physiotherapist	اسم المقرر (Course title)
HPT 416	رمز المقرر (Course code)
3	عدد الوحدات المعتمدة



	(Credit hours)
English	اللغة
This course covers gross anatomy, cross sectional anatomy and imaging with USG, X-Ray, CT Scan, MRI and Functional Imaging with Nuclear Medicine scans principles in the imaging of all normal and abnormal body organs in adults and children. Main focus of the subject was on CT, X-Ray, MRI and USG of chest, Abdomen, Upper limb, Lower limb and Spine. It was explained with the help of theory and Normal and Abnormal Images of CT Scan, USG, X-Ray, MRI and Nuclear Medicine Scans. Advanced imaging techniques and critical thinking skills are developed through correlation of clinical history with imaging modalities	(Medium of instruction) توضيف مختصر للمقرر (Course description)
Prosthetics and Orthotics	اسم المقرر (Course title)
HPT-417	رمز المقرر (Course code)
2	عدد الوحدات المعتمدة (Credit hours)
English	اللغة (Medium of instruction)
This course introduce the mechanical principles of orthotics and prosthetics and describe different types of orthoses for upper and lower limb in addition to spinal orthoses and upper and lower extremities prosthesis. Indications, uses and functions of orthotics and prosthetics are explained to allow student to be able to select and prescribe appropriate device according to patient case and plan a physical therapy program for the device good use.	توضيف مختصر للمقرر (Course description)
Physical Therapy for Women's Health	اسم المقرر (Course title)
HPT 451	رمز المقرر (Course code)
2	عدد الوحدات المعتمدة (Credit hours)



اللغة (Medium of instruction)	English
توصيف مختصر للمقرر (Course description)	This course Provides the student with knowledge and skills in the field of obstetrics and gynecology. The course contains details on different cases of obstetrics and gynecology in the field of woman's health in addition to the how to manage different cases as a physical therapist.
اسم المقرر (Course title)	Physical Therapy for Orthopedic and Rheumatology
رمز المقرر (Course code)	HPT 433
عدد الوحدات المعتمدة (Credit hours)	3
اللغة (Medium of instruction)	English
توصيف مختصر للمقرر (Course description)	This course allows the student to assess patient, make a clinical judgment and plan for managing patient problems arising from different orthopedic conditions affecting the different region of the body including the spine, hip, knee, ankle, shoulder, elbow and wrist and hand. The course provides the student with knowledges about causes, clinical manifestation and pathological changes.
اسم المقرر (Course title)	Research in physical therapy 2
رمز المقرر (Course code)	HPT434
عدد الوحدات المعتمدة (Credit hours)	2
اللغة (Medium of instruction)	English
توصيف مختصر للمقرر (Course description)	The course provides illustration of the structural and functional basis of the scientific research. Critical analysis is



also included. Students will be trained on how to determine methods of research, reliability measurements, informed consent and participants information sheet. This is followed by a discussion on article design and how to prepare a paper for publication in a scientific journals.

اسم المقرر (Course title)	
رمز المقرر (Course code)	
عدد الوحدات المعتمدة (Credit hours)	
اللغة (Medium of instruction)	
توصيف مختصر للمقرر (Course description)	
اسم المقرر (Course title)	
رمز المقرر (Course code)	
عدد الوحدات المعتمدة (Credit hours)	
اللغة (Medium of instruction)	
توصيف مختصر للمقرر (Course description)	
اسم المقرر (Course title)	
رمز المقرر (Course code)	
عدد الوحدات المعتمدة (Credit hours)	
اللغة (Medium of instruction)	
The course aims at applying the principles of and therapeutic skills of occupational therapy. Students are acquainted with the commonalities between physical therapy and occupational therapy in order to identify types of patients who are in need of occupational therapy.	
Geriatric Rehabilitation	
HPT436	
2	



	(Credit hours)
English	اللغة (Medium of instruction)
The course is designed to explore those factors affecting the health and well-being of aging people. It will cover the relationship between the process of aging and behavior in such areas as sensory, personality and cognitive functioning. Other subjects will include the principle and practice of geriatric rehabilitation based on the theories of aging. Social, cultural influences and age-related changes in accommodation to the physical environment will be discussed. Finally, considerable attention will be paid to some specifically selected clinical conditions that are common with the elderly people including overall assessment of health and functional profile of an aged individual.	توصيف مختصر للمقرر (Course description)
Advanced PT Procedure	اسم المقرر (Course title)
HPT 437	رمز المقرر (Course code)
2	عدد الوحدات المعتمدة (Credit hours)
English	اللغة (Medium of instruction)
This course aims to provide students with fundamental skills and knowledge in the new advances in evaluation and treatment of patients with varying physical disabilities. Rehabilitation and proper evaluate on concepts and selected procedures are discussed, along with the physiological and abnormal interpretation of findings.	توصيف مختصر للمقرر (Course description)



قسم : علوم التأهيل

برنامج : دكتور علاج طبيعي

Introduction to biomechanics	اسم المقرر (Course title)
HPT-212	رمز المقرر (Course code)
2	عدد الوحدات المعتمدة (Credit hours)
English	اللغة (Medium of instruction)
This course is providing introduction to biomechanics of movement either human movements and any material motion based on physics and mathematical laws that identify relationship with skeleton and musculoskeletal motion.	توصيف مختصر للمقرر (Course description)
Introduction to physical therapy	اسم المقرر (Course title)
HPT 213	رمز المقرر (Course code)
1	عدد الوحدات المعتمدة (Credit hours)
English	اللغة (Medium of instruction)
This course provides an explanation of the philosophy and history of the physical therapy profession and its relationship to other health care agencies and providers. This course provides a good idea about different physical therapy specialties with respect to examination and methods of treatment.	توصيف مختصر للمقرر (Course description)
Tests and measurement 1	اسم المقرر (Course title)
HPT 214	رمز المقرر (Course code)



3	عدد الوحدات المعتمدة (Credit hours)
English	اللغة (Medium of instruction)
The purpose of this course is to appraise the importance and practical benefits of test and measurements .Demonstrate how to prepare environment, equipment and patient for evaluation procedures. Have the ability to conduct gross and individual muscle testing. Classify and identify different grades of muscle evaluation. Apply different techniques of muscle testing with respect to both therapist and patient mechanical advantage. Show professional behavior and attitude.	توصيف مختصر للمقرر (Course description)
Human anatomy	اسم المقرر (Course title)
HPT 215	رمز المقرر (Course code)
3	عدد الوحدات المعتمدة (Credit hours)
English	اللغة (Medium of instruction)
The course introduces an overview that covers anatomical regions in greater depth. Topics include: the skeletal system, and the muscular system, . More focus on joints and muscles of the upper and lower limbs (their origins, insertions, nerve supplies and actions)	توصيف مختصر للمقرر (Course description)
Human Physiology	اسم المقرر (Course title)
HPT 216	رمز المقرر (Course code)
3	عدد الوحدات المعتمدة (Credit hours)
English	اللغة (Medium of instruction)



الوصف المختصر للمقرر (Course description)	
اسم المقرر (Course title)	Electrotherapy
رمز المقرر (Course code)	HPT 217
عدد الوحدات المعتمدة (Credit hours)	2
اللغة (Medium of instruction)	English
الوصف المختصر للمقرر (Course description)	This course deals with the physical principles associated with electricity and methods used in physical therapy. The course contains detailed on types of electrical currents used to raise electrical nerve, muscle and physiological effects an therapeutic uses in addition to the risks and preventive measures to be used, and students are trained on the how to use electrical appliances for each type of electric waves used in the treatment such as interferential, faradic and galvanic currents
اسم المقرر (Course title)	Neuroanatomy
رمز المقرر (Course code)	HPT 221
عدد الوحدات المعتمدة (Credit hours)	2hours
اللغة (Medium of instruction)	English
الوصف المختصر للمقرر (Course description)	The course includes the general layout of the nervous system, and a detailed study of anatomy of the brain and spinal cord



include: different parts of brain and spinal cord, the ascending and descending tracts, the distribution of the cranial and spinal nerves, the vascular supply to the central nervous system and the cerebrospinal fluid.	
Neurophysiology	اسم المقرر (Course title)
HPT 222	رمز المقرر (Course code)
3	عدد الوحدات المعتمدة (Credit hours)
English	اللغة (Medium of instruction)
This course introduces the function of the nervous system including the spinal cord, cerebellum, peripheral nerves, the brain, midbrain, medulla oblongata, cerebral cortex and the somatic receptors, pain physiology, neural tracts and lesions , plasticity, physiology of reflexes , vestibular system and basal ganglia	توصيف مختصر للمقرر (Course description)
Pathophysiology	اسم المقرر (Course title)
HPT 223	رمز المقرر (Course code)
3	عدد الوحدات المعتمدة (Credit hours)
English	اللغة (Medium of instruction)
The course studies the biological processes that lead to a disease and other forms of diseases, and harmful distortions, and disabilities. The course also studies the functional changes that occur in cells and tissues and organs at the onset of disease.	توصيف مختصر للمقرر (Course description)
Test and Measurements (2)	اسم المقرر (Course title)



HPT 224	رمز المقرر (Course code)
2	عدد الوحدات المعتمدة (Credit hours)
English	اللغة (Medium of instruction)
The purpose of this course is to appraise the importance and practical benefits of different tests and measurements techniques , demonstrate how to prepare environment, equipment and patient for evaluation procedures, and how to apply different techniques of muscle testing with respect to both therapist and patient mechanical advantage	توصيف مختصر للمقرر (Course description)
Basic life support techniques	اسم المقرر (Course title)
HRS 114	رمز المقرر (Course code)
3	عدد الوحدات المعتمدة (Credit hours)
English	اللغة (Medium of instruction)
The course is lectures and practices which develops the student's knowledge and performances on the basic concepts first aid and cardiopulmonary resuscitation. The student will also be learning how to assess and deal with emergencies such as unconscious client, bleeding, fractures, shock, chocking , diabetic coma ,bronchial asthma attack, poisoning, stroke, and cardiac attacks .	توصيف مختصر للمقرر (Course description)
Therapeutic Exercises 1	اسم المقرر (Course title)
HPT 332	رمز المقرر (Course code)
3	عدد الوحدات المعتمدة (Credit hours)



اللغة (Medium of instruction)	English
توصيف مختصر للمقرر (Course description)	This course include an introduction to the theory and scientific principles of basic exercise techniques related to muscle performance (including strength, power, and endurance) and stretching/flexibility activities used in rehabilitation for patient with musculoskeletal or neuromuscular dysfunction.
اسم المقرر (Course title)	Human Biomechanics
رمز المقرر (Course code)	HPT333
عدد الوحدات المعتمدة (Credit hours)	3
اللغة (Medium of instruction)	English
توصيف مختصر للمقرر (Course description)	This course is teaching biomechanics of human movement based on physics and mathematical laws that identify relationship with skeleton and musculoskeletal motion. To analyze, compare, study, judge, contrast, and find results of natural and pathomechanics in joints and muscles. It leads students to observe and find out the description and the cause of abnormal movements in human body motion.
اسم المقرر (Course title)	Psychosocial Aspects of Health and Disease
رمز المقرر (Course code)	HPT 334
عدد الوحدات المعتمدة (Credit hours)	2
اللغة (Medium of instruction)	English
توصيف مختصر للمقرر (Course description)	This course will introduce to the students basic concept of health and disease and behavior theories which related to the



field of health and disease by enhancing students understanding regarding emotional reactions to disability, and psychosocial aspects of disability as they relate to patient- physical therapist interaction; specific problems of the angry, non-compliant, or chronic pain patient and complementary roles of other health professionals	
Electrotherapy and Hydrotherapy	اسم المقرر (Course title)
HPT 315	رمز المقرر (Course code)
3	عدد الوحدات المعتمدة (Credit hours)
English	اللغة (Medium of instruction)
The course is designed to provide the students the ability to apply electrotherapy stimulation and hydrotherapy applications as therapeutic modalities in different situations according to patient's problem with understanding to the nature, indications and contra- indications of electrical stimulating currents and electrical waves.	توصيف مختصر للمقرر (Course description)
Clinical Pharmacology for Physiotherapist	اسم المقرر (Course title)
HPT 316	رمز المقرر (Course code)
2	عدد الوحدات المعتمدة (Credit hours)
English	اللغة (Medium of instruction)
The course will cover the basic general pharmacological principles. The clinical uses and physiological effect of drug in body systems; the common drugs, its mechanism of action effects, side-effects and different doses used for the patients that can be indicated in treatment of cardiovascular, respiratory and nervous systems disorders.	توصيف مختصر للمقرر (Course description)



Cardiopulmonary Physical Therapy	اسم المقرر (Course title)
HPT 331	رمز المقرر (Course code)
3	عدد الوحدات المعتمدة (Credit hours)
English	اللغة (Medium of instruction)
The course will familiarize Physical Therapy students with basic knowledge in anatomy, physiology, common diseases/ conditions involving cardiac and pulmonary systems, as well as the various types of interventions for treatment. There will be an emphasis on providing appropriate physical therapy examination, evaluation, interventions, prognosis, and outcomes for patients with cardiopulmonary disease.	توصيف مختصر للمقرر (Course description)
Therapeutic Exercises 2	اسم المقرر (Course title)
HPT 335	رمز المقرر (Course code)
3	عدد الوحدات المعتمدة (Credit hours)
English	اللغة (Medium of instruction)
This course include advanced types of therapeutic exercises used in treatment and rehabilitation of patient explaining the underlying effects of each type of exercise on musculoskeletal system	توصيف مختصر للمقرر (Course description)
Physical Therapy for Burn and Surgery	اسم المقرر (Course title)
HPT, 323	رمز المقرر (Course code)
3	عدد الوحدات المعتمدة (Credit hours)
English	اللغة



	(Medium of instruction) اللغة
The course focuses on burn causes and the accompanied pathophysiological changes. It provide the students with the suitable tools for a proper evaluative procedure (s) to the patient and to Identify indications and contra-indication of every current modality in physiotherapy. It also focus on the management of some post-operative cases.	توصيف مختصر للمقرر (Course description)
Physical Therapy for Neurological Disorders	اسم المقرر (Course title)
HPT 324	رمز المقرر (Course code)
3	عدد الوحدات المعتمدة (Credit hours)
English	(Medium of instruction) اللغة
this course develop a clear understanding of the etiology, pathology, prognosis and clinical feature of the most common neurological diseases affecting adult people and gives the basic and traditional physical therapy assessment and treatment for the most common neurological disorders.	توصيف مختصر للمقرر (Course description)
Physical Therapy in Pediatrics	اسم المقرر (Course title)
HPT 325	رمز المقرر (Course code)
3	عدد الوحدات المعتمدة (Credit hours)
English	(Medium of instruction) اللغة
The course provide the student with the different pediatric diseases and develop skills about the use of physiotherapy methods used in evaluation and treatment of different pediatric diseases. Also it concern with the creation of therapeutic programs used in treatment.	توصيف مختصر للمقرر (Course description)



Musculoskeletal System Evaluation	اسم المقرر (Course title)
HPT 411	رمز المقرر (Course code)
2 (1, 1,0)	عدد الوحدات المعتمدة (Credit hours)
English	اللغة (Medium of instruction)
This course outlines the concepts of the basic principles of musculoskeletal examination to select the proper test for each case and use the appropriate equipment needed to perform proper case evaluation and management.	توصيف مختصر للمقرر (Course description)
Research in Physical Therapy – 1	اسم المقرر (Course title)
HPT 412	رمز المقرر (Course code)
2	عدد الوحدات المعتمدة (Credit hours)
English	اللغة (Medium of instruction)
The course focus on normal structural and functional basis of the scientific research, methods of research, as well as validity and reliability measurements. It Provides the student the needed information of the basic principles and purpose of research, Supply the student with the basic research tools and help the student selecting suitable research designs and methods.	توصيف مختصر للمقرر (Course description)
Clinical Neurology	اسم المقرر (Course title)
HPT 413	رمز المقرر (Course code)
2	عدد الوحدات المعتمدة (Credit hours)



اللغة (Medium of instruction)	English
توصيف مختصر للمقرر (Course description)	The course aims in applying modern clinical therapeutic physical therapy modalities in treatment of neurological diseases and its surgery. The principles and clinical therapeutic skills in treatment of patients in hospital.
اسم المقرر (Course title)	Traumatology
رمز المقرر (Course code)	HPT 414
عدد الوحدات المعتمدة (Credit hours)	3
اللغة (Medium of instruction)	English
توصيف مختصر للمقرر (Course description)	This course is designed to give knowledge and explanation of trauma affecting the musculo-skeletal system and joint injuries. The course also covers the types of fractures and dislocation, and the treatment methods.
اسم المقرر (Course title)	Clinical Practice in Pediatrics
رمز المقرر (Course code)	HPT 415
عدد الوحدات المعتمدة (Credit hours)	3
اللغة (Medium of instruction)	English
توصيف مختصر للمقرر (Course description)	The course aims in applying modern clinical therapeutic physical therapy modalities in treatment of pediatric patients and its surgery. The principles and clinical therapeutic skills in treatment of patients with different developmental disorders; Cerebral palsy, high risk infants, prematurity, Genetic disorders, autism, brachial plexus lesions, myopathies, peripheral neuropathies, facial nerve lesions, osteogenesis imperfect and congenital orthopedic disorders in children as well as other pediatric patients in hospital



Diagnostic Imaging for physiotherapist	اسم المقرر (Course title)
HPT 416	رمز المقرر (Course code)
3	عدد الوحدات المعتمدة (Credit hours)
English	اللغة (Medium of instruction)
This course covers gross anatomy, cross sectional anatomy and imaging with USG, X-Ray, CT Scan, MRI and Functional Imaging with Nuclear Medicine scans principles in the imaging of all normal and abnormal body organs in adults and children. Main focus of the subject was on CT, X-Ray, MRI and USG of chest, Abdomen, Upper limb, Lower limb and Spine. It was explained with the help of theory and Normal and Abnormal Images of CT Scan, USG, X-Ray, MRI and Nuclear Medicine Scans. Advanced imaging techniques and critical thinking skills are developed through correlation of clinical history with imaging modalities	توصيف مختصر للمقرر (Course description)
Prosthetics and Orthotics	اسم المقرر (Course title)
HPT 417	رمز المقرر (Course code)
2	عدد الوحدات المعتمدة (Credit hours)
English	اللغة (Medium of instruction)
This course introduce the mechanical principles of orthotics and prosthetics and describe different types of orthoses for upper and lower limb in addition to spinal orthoses and upper and lower extremities prosthesis. Indications, uses and functions of orthotics and prosthetics are explained to allow student to be able to select and prescribe appropriate device according to patient case and plan a physical therapy program for the device good use.	توصيف مختصر للمقرر (Course description)



Physical Therapy for Women's Health	اسم المقرر (Course title)
HPT 451	رمز المقرر (Course code)
2	عدد الوحدات المعتمدة (Credit hours)
English	اللغة (Medium of instruction)
This course Provides the student with knowledge and skills in the field of obstetrics and gynecology. The course contains details on different cases of obstetrics and gynecology in the field of woman's health in addition to the how to manage different cases as a physical therapist.	توصيف مختصر للمقرر (Course description)
Physical Therapy for Orthopedic and Rheumatology	اسم المقرر (Course title)
HPT 433	رمز المقرر (Course code)
3	عدد الوحدات المعتمدة (Credit hours)
English	اللغة (Medium of instruction)
This course allows the student to assess patient, make a clinical judgment and plan for managing patient problems arising from different orthopedic conditions affecting the different region of the body including the spine, hip, knee, ankle, shoulder, elbow and wrist and hand. The course provides the student with knowledges about causes, clinical manifestation and pathological changes.	توصيف مختصر للمقرر (Course description)
Research in physical therapy 2	اسم المقرر (Course title)
HPT 434	رمز المقرر (Course code)
2	عدد الوحدات المعتمدة



	(Credit hours)
English	اللغة (Medium of instruction)
The course provides illustration of the structural and functional basis of the scientific research. Critical analysis is also included. Students will be trained on how to determine methods of research, reliability measurements, informed consent and participants information sheet. This is followed by a discussion on article design and how to prepare a paper for publication in a scientific journals.	توصيف مختصر للمقرر (Course description)
Management and organization in physical Therapy	اسم المقرر (Course title)
HPT 452	رمز المقرر (Course code)
2	عدد الوحدات المعتمدة (Credit hours)
English	اللغة (Medium of instruction)
The course focuses on organizing, planning, leading and controlling resources within the entity with the overall aim of achieving its objectives	توصيف مختصر للمقرر (Course description)
Occupational Therapy	اسم المقرر (Course title)
HPT 435	رمز المقرر (Course code)
3	عدد الوحدات المعتمدة (Credit hours)
English	اللغة (Medium of instruction)
The course aims at applying the principles of and therapeutic skills of occupational therapy. Students are acquainted with the commonalities between physical therapy and occupational therapy in order to identify types of patients who are in need of occupational therapy.	توصيف مختصر للمقرر (Course description)



Geriatric Rehabilitation	اسم المقرر (Course title)
HPT436	رمز المقرر (Course code)
2	عدد الوحدات المعتمدة (Credit hours)
English	اللغة (Medium of instruction)
The course is designed to explore those factors affecting the health and well-being of aging people. It will cover the relationship between the process of aging and behavior in such areas as sensory, personality and cognitive functioning. Other subjects will include the principle and practice of geriatric rehabilitation based on the theories of aging. Social, cultural influences and age-related changes in accommodation to the physical environment will be discussed. Finally, considerable attention will be paid to some specifically selected clinical conditions that are common with the elderly people including overall assessment of health and functional profile of an aged individual.	توصيف مختصر للمقرر (Course description)
Advanced PT Procedure	اسم المقرر (Course title)
HPT 437	رمز المقرر (Course code)
2	عدد الوحدات المعتمدة (Credit hours)
English	اللغة (Medium of instruction)
This course aims to provide students with fundamental skills and knowledge in the new advances in evaluation and treatment of patients with varying physical disabilities. Rehabilitation and proper evaluate on concepts and selected procedures are discussed, along with the physiological and abnormal interpretation of findings.	توصيف مختصر للمقرر (Course description)



Gait and Locomotion analysis	اسم المقرر (Course title)
DPT411	رمز المقرر (Course code)
3	عدد الوحدات المعتمدة (Credit hours)
English	اللغة (Medium of instruction)
In this course, terminology of the hypotheses is also included. This is followed by discussions and practical demonstration of general and specific evaluation procedures and their rationales for use with patients suffering from particular functional problem.	توصيف مختصر للمقرر (Course description)
Clinical Management & administration	اسم المقرر (Course title)
DPT 412	رمز المقرر (Course code)
2	عدد الوحدات المعتمدة (Credit hours)
English	اللغة (Medium of instruction)
This course designed to assist the students to develop management skills, resolve conflict, and manage a medical unit. This course develops the students information and skills of health informatics, financial management principles, hospital stores organization and pharmacy, hospital waste and time management. Also explain different resources resource management and health related laws and ethics.	توصيف مختصر للمقرر (Course description)
Clinical Neurology	اسم المقرر (Course title)
HPT 413	رمز المقرر (Course code)



2	عدد الوحدات المعتمدة (Credit hours)
English	اللغة (Medium of instruction)
The course aims in applying modern clinical therapeutic physical therapy modalities in treatment of neurological diseases and its surgery. The principles and clinical therapeutic skills in treatment of patients in hospital.	توصيف مختصر للمقرر (Course description)
Sports injuries	اسم المقرر (Course title)
DPT 414	رمز المقرر (Course code)
3	عدد الوحدات المعتمدة (Credit hours)
English	اللغة (Medium of instruction)
Explores the application of physiology of rest and exercise, principles of exercise testing and prescription for specific populations relevant to physiotherapy practice. Develops an understanding of the use of exercise as a means of health promotion, injury prevention and rehabilitation in Sports injury cases..	توصيف مختصر للمقرر (Course description)
Clinical Psychiatry	اسم المقرر (Course title)
DPT 415	رمز المقرر (Course code)
2	عدد الوحدات المعتمدة (Credit hours)
English	اللغة (Medium of instruction)
This course provides the student with understanding of psychiatric disorders. It Also demonstrate the psychological	توصيف مختصر للمقرر (Course description)



problems related to illness and provide the role of physiotherapy in psychiatric disorder and psychological rehabilitation	
Electrodiagnosis in PT	اسم المقرر (Course title)
DPT 421	رمز المقرر (Course code)
3	عدد الوحدات المعتمدة (Credit hours)
English	اللغة (Medium of instruction)
This course explains different electro- diagnostic procedures used in physical therapy for assessment of motor and sensory dysfunction including nerve conduction studies, electromyography. Also include assessment procedures for cardiovascular condition by electrocardiography (ECG) and assessment of the electrical activity of the brain by electroencephalogram (EEG).	توصيف مختصر للمقرر (Course description)
Advanced Clinical Neurology	اسم المقرر (Course title)
DPT 422	رمز المقرر (Course code)
3	عدد الوحدات المعتمدة (Credit hours)
English	اللغة (Medium of instruction)
This course is designed to give advanced assessment and treatment of most common neurological problems in different neurological conditions. It also allows for clinical competence in handling and communicating with patients in hospital.	توصيف مختصر للمقرر (Course description)
Advanced Clinical Pediatric	اسم المقرر (Course title)
DPT 423	رمز المقرر (Course code)



3	عدد الوحدات المعتمدة (Credit hours)
English	اللغة (Medium of instruction)
This course will provide the student with the opportunity to develop clinical skills in evaluation and treatment of different cases of pediatrics in affiliated hospital. In addition, it includes different medical conditions and the role of physical therapy in each one. Also it includes new advanced interventions and the evidence behind their effectiveness in pediatric rehabilitation	توصيف مختصر للمقرر (Course description)
Advanced Clinical Cardiopulmonary	اسم المقرر (Course title)
DPT424	رمز المقرر (Course code)
3	عدد الوحدات المعتمدة (Credit hours)
English	اللغة (Medium of instruction)
This course allows the student to assess patient, make a clinical judgment and plan for managing ICU patient problems and pre\post cardiopulmonary surgeries . The course provides the student with knowledge about causes, clinical manifestation and pathological changes of vascular system	توصيف مختصر للمقرر (Course description)
Pharmacology In Rehabilitation	اسم المقرر (Course title)
DPT 425	رمز المقرر (Course code)
1	عدد الوحدات المعتمدة (Credit hours)
English	اللغة (Medium of instruction)
	توصيف مختصر للمقرر



The course covers the basic general pharmacological principles. The clinical uses and physiological effect of drug in body systems; the common drugs, its mechanism of action, therapeutic effects, side-effects and different doses used for the patients that can be indicated in treatment of central nervous system disorder , peptic ulcer ,endocrine disorder, and in rheumatic arthritis disease.	(Course description)
Deferential Diagnosis in Clinical Neurology	اسم المقرر (Course title)
DPT 431	رمز المقرر (Course code)
3	عدد الوحدات المعتمدة (Credit hours)
English	اللغة (Medium of instruction)
This course is designed to enable students to clinically differentiate between different types of neurological diseases and to differentiate between different subtypes of the same disease by clinical , laboratory, and radiological investigations	توصيف مختصر للمقرر (Course description)
Ethics & Professionalism in PT	اسم المقرر (Course title)
DPT 432	رمز المقرر (Course code)
2	عدد الوحدات المعتمدة (Credit hours)
English	اللغة (Medium of instruction)
In this course the rules and regulations of practicing in health sector will be discussed in relation to the code of ethics for health professions where all responsibilities of therapist towards patients, colleagues, and community. In addition, this course will include sessions about communication skills, professionalism, and quality assurance of services.	توصيف مختصر للمقرر (Course description)
Evidence-Based Practice	اسم المقرر



	(Course title)
DPT 433	رمز المقرر (Course code)
3	عدد الوحدات المعتمدة (Credit hours)
English	اللغة (Medium of instruction)
In this course the concepts and steps used in evidence-based practice will be discussed in relation to different forms of evidence. The critical appraisal skills in relation to clinical practice is the main skill gained in this course. In addition, this course involves linking the research knowledge to clinical decisions to provide the optimal treatment plan for a patient.	توصيف مختصر للمقرر (Course description)
Electro therapeutic Modalities: Clinical Applications	اسم المقرر (Course title)
DPT 434	رمز المقرر (Course code)
2	عدد الوحدات المعتمدة (Credit hours)
English	اللغة (Medium of instruction)
This course explains different electrotherapeutic procedures used in physical therapy for treatment of musculoskeletal conditions of different cases. The course demonstrates the application of advanced therapeutic modalities in treatment of pain, muscle and joint dysfunction to regain patient normal function	توصيف مختصر للمقرر (Course description)
Scientific Seminar	اسم المقرر (Course title)
DPT 435	رمز المقرر (Course code)
2	عدد الوحدات المعتمدة (Credit hours)
English	اللغة (Medium of instruction)



This course allows the student to search topic, write and present a scientific Seminar paper.

The course describes how the seminar is organized and prepared for attendance to get the most benefit. Evaluating a seminar and its product is one of the item discussed in the course. Effective presentation is the main outcome of this course that allow students to discuss and work in team and interact with other who have different opinions.

توضيف مختصر للمقرر
(Course description)

P.T Medical Screening

اسم المقرر
(Course title)

DPT 436

رمز المقرر
(Course code)

2 hours

عدد الوحدات المعتمدة
(Credit hours)

English

اللغة
(Medium of instruction)

This Course helps to prepare the physical therapy to assume the role of an independent practitioner working within a collaborative medical model .Inherent in this role is the ability to recognize clinical manifestations that suggest physician or other health care provider contact is warranted regarding a patient's health status .Students apply the concept of threshold detection to identify impairments or "red flags" in medical screening that warrant referral to other professionals. An examination scheme is designed to promote efficient and effective collection of patient data to provide the structure for discussions. Patient cases are presented to illustrate important medical screening principles professional communication with patients and physicians is also a central theme.

توضيف مختصر للمقرر
(Course description)

Differential Diagnosis in Clinical Orthopedic

اسم المقرر
(Course title)

DPT 441

رمز المقرر
(Course code)

2

عدد الوحدات المعتمدة
(Credit hours)



اللغة (Medium of instruction)	English
توصيف مختصر للمقرر (Course description)	Clinical decisions must be based on the best evidence in medical field. The course aims at delivering clinical basis for diagnosis and prognosis, based on evidence-based practice, for orthopedic conditions to enable students to identify the relevant underlying pathology
اسم المقرر (Course title)	Advanced Clinical Orthopedics
رمز المقرر (Course code)	DPT 442
عدد الوحدات المعتمدة (Credit hours)	3
اللغة (Medium of instruction)	English
توصيف مختصر للمقرر (Course description)	This course will provide the student with the opportunity to develop clinical skills in the evaluation and treatment of different cases of orthopedics in affiliated hospital such as: Temporomandibular dysfunction and sacroiliac joint dysfunction ,Upper& Lower limb post-operative surgeries and their management
اسم المقرر (Course title)	Physical Therapy Management of Complex Patients
رمز المقرر (Course code)	DPT 443
عدد الوحدات المعتمدة (Credit hours)	2
اللغة (Medium of instruction)	English
توصيف مختصر للمقرر (Course description)	The course reviews the complex medical conditions and how these conditions can affect patient participation in therapy and function. Considerations, evaluation, treatment, and



management of patients with complex medical conditions will be discussed via the use of lecture and interactive case study discussion.	
Graduate Project	اسم المقرر (Course title)
DPT 444	رمز المقرر (Course code)
3	عدد الوحدات المعتمدة (Credit hours)
English	اللغة (Medium of instruction)
In this course normal structural and functional basis of the scientific research are presented and discussed. Terminology of the hypotheses is also included. This is followed by discussions and practical demonstration of general and specific evaluation procedures and their rationales for use with patients suffering from particular functional problem. The student will be trained on how to determine methods of research, reliability measurements, informed consent and questionnaires	توصيف مختصر للمقرر (Course description)