



Course description

1. توصيف المقررات لمتطلبات الجامعة

اسم المقرر	اسم المقرر	Course Name
0901-001	دراسات إحصائية (الدبلوم)	Statistical Studies (Diploma)
Sampling, types of samples, different measurement, sampling distribution, estimation of the population parameters, hypothesis testing and chi-square test, analysis of variance and covariance and regression and correlation.		
0203-001	أخلاقيات البحث العلمي (للماجستير)	Ethics of Scientific Research (MSc)
This course explores the accumulated ethics of the researchers, stimulates their awareness, and recognizes negative or positive experiences in the field of profession. Learn how to write articles and projects. Gain ethics of scientific writing and publishing.		
0702-001	لغة إنجليزية (للدكتوراه)	English (PhD)
This course focuses on enabling the student to comprehend typically varied texts by eliciting and summarizing their main ideas and is interested in the scientific terminology as well as specialty topics in the specialty (read – translation). This course provides students the ability to determine the accuracy of the elements in the grammatical structure and teach students the rules of pronunciation.		
0502-002	إدارة تسويق	
أعداد الطالب بمعارف ومهارات تسويقية وبيعه من خلال التدريب على كيفية أداء النشاط التسويقي ويحتوى هذا المقرر على موضوعات عديدة أهمها : مفهوم النشاط التسويقي ومرآجل تطور هذا النشاط وأهميه هذا النشاط والوظائف المختلفة للنشاط التسويقي وكيفية إعداد خطة استراتيجية للنشاط التسويقي على مستوى المنظمة, وأنواع السلع وكيفية تسويق الخدمات ودراسات العملاء واستراتيجيات التسويق المختلفة(المنتجات ، التسعير، والترويج، التوزيع) واستراتيجيات السوق، واستراتيجيات المنافسة وغيرها من الموضوعات العديدة.		
0602-001	أشغال فنية	
المفهوم العام للمشغولة الفنية- القيم الجمالية للمشغولة الفنية- استخدام خامات البيئة والجلود الطبيعية فى الفنون المختلفة- التعريف بالخامات البيئية والجلود الطبيعية- التعريف بطرق تنفيذ المشغولة الفنية بالخامات البيئية والجلود الطبيعية- تصنيف أساليب المعالجة التشكيلية لخامات البيئية والجلود الطبيعية- أنواع الخامات البيئية والجلود الطبيعية التى يمكن الاستفادة منها فى المشغولة الفنية. عرض وتحليل لمشغولات فنية من الإبداعات الفنية التى تثرى المجال الفنى- تدريبات وممارسات علمية على أساليب المعالجة التشكيلية لخامات البيئية والجلود الطبيعية.		
0712-001	مبادئ الفلسفة	
معنى الفلسفة، وخصائص التفكير الفلسفي، ووظيفة الفلسفة بالنسبة للإنسان ودورها في مجال الإصلاح الاجتماعي وعلاقة الفلسفة بالعلم.		
0401-001	التصميم الداخلي	
اسس صياغة وتشكيل الفراغات الداخلية، مكونات الفراغات، العوامل المؤثرة فى تشكيلة، دراسة الحركة والتتابع البصرى والزمنى فى الفراغات الداخلية، دراسة الأسطح، دراسة نظريات الألوان والمجموعات اللونية، مواد التشطيب وطرق استخداماتها والتركيبات الفنية وتصميم الأثاث.		
0308-001	السياسة الغذائية	
دراسة البروتينات، والدهون، والكربوهيدرات، والمعادن فى الأغذية، السرعات الحرارية التى يحتاجها الجسم، دراسة الكوليسترول والدهون المشبعة وتأثيرها على الصحة العامة، وكيفية تجنب آثارها، الألبان الخام والمجففة وكيفية المحافظة على الغذاء الصحى والمقادير الصحية		
0711-001	آثار مصر عبر العصور	
تزويد الطالب بفكرة متكاملة عن آثار مصر عبر عصورها المختلفة ابتداءً من العصور الفرعونية القديمة مروراً بالعصرين اليوناني والروماني وانتهاءً بالعصر الإسلامي. ويدرس الطالب		

كود المقرر	اسم المقرر	Course Name
		فيها نماذج مختارة من العمارة ومن الأعمال النحتية المصرية القديمة، ويتعرف على أهم مراكز تلك الآثار على المعابد والمقابر الفرعونية، مثل مدينة الأقصر ومعبد الكرنك ومقابر وادي الملوك. كذلك فإنه يتعرف على أهم المدن الأثرية في مصر في العصر اليوناني والعصر الروماني، وعلى آثار الإسكندرية في تلك المراحل؛ وأيضاً على بعض الكنائس والأديرة المسيحية، ويدرس الطالب كذلك نماذج لأهم الآثار المعمارية الإسلامية المتمثلة في الأسبلة والقلعة وأثار شارع المعز لدمين الله، وأيضاً على بعض أشهر المساجد. ويتعرف الطالب أيضاً على مظاهر الاستمرارية والتغيير عبر هذه العصور .
0603-001	التذوق الموسيقي	مقدمة عن تاريخ الفن- مفهوم التذوق- مفهوم الموسيقى العربية- عناصر الموسيقى العربية (النغم- الإيقاع)- المقام في الموسيقى العربية- الضروب في الموسيقى العربية- تخت الموسيقى العربية- فرق الموسيقى العربية- ألوان الغناء العربي(الموشح- الدور- الطقطوقة)- ألوان الموسيقى العربية(السماعي- المقطوعة الموسيقية)- الموسيقى الأوربية وعناصرها- بعض ألوان الموسيقى الغربية وأشكالها- موسيقى الجاز الى جانب الشق التطبيقي(استماع).
0502-001	مبادئ إدارة الأعمال	تزويد الطالب بالمعارف والمهارات الإدارية ال تي تتعلق بالتخطيط، والتنظيم واتخاذ القرارات ويحتوى هذا المقرر على مفهوم الإدارة ووظائف المدير وتطوير الفكر الإداري المعاصر والمدارس الإدارية المختلفة وعملية اتخاذ القرارات ووظائف العملية الإدارية من تخطيط وتنظيم وتوجيه ورقابة جانب توضيح تأثير البيئة بشقيها الخارجي والداخلي على الأداء الاستراتيجي لمنظمات الأعمال، والإشكال القانونية لمنظمات الأعمال والفرق بين المنظمة الحكومية ومنظمات الأعمال.
0701-001	مهارات الكتابة باللغة العربية	القواعد الإملائية وما يتعلق بعلامات الترقيم وجانباً من دراسة بنية الكلمات في علم الصرف وجانباً من القواعد النحوية التي تدخل فيها الأخطاء الشائعة، وكذا ما يتعلق بالتأنيق في جماليات الأسلوب ودقته والتركيز على المعنى المراد والموافق للسياق اللغوي.

2. توصيف المقررات لمتطلبات الكلية

أولاً : توصيف المقررات لدرجة الدبلوم الدراسات العليا:-

Course Name	اسم المقرر	كود المقرر
Applied Anatomy and Kinesiology (1)	علم التشريح والتطبيقات الحركية	1300-101
Applied Anatomy & Kinesiology is an integrated study of applied anatomy, kinesiology, and biomechanics as they relate specifically to the analysis of human movement. Emphasis is placed on observational skills as well as an integrated understanding of muscle function and resultant musculoskeletal movements.		
Design & Measurement	تصميم وقياس البحوث	1300-102
Research Design & Measurement is designed to introduce the student to evidence-based practice concepts that integrate the best available research evidence with clinical expertise and patient's/client's unique values and circumstances. The course emphasizes methods to access professional literature databases, and review, analyze and critique the literature that affects physical therapy practice.		

ثانياً : توصيف المقررات لدرجة الماجستير بحثى:-

Course Name	اسم المقرر	كود المقرر
Bio-statistics	إحصاء طبي	1300-201
This course in focusing on basic concepts of biostatistics and data analysis, and its role in medical research. This course covers the basic tools for the collection, analysis, and presentation of data in all areas of physical therapy. Topics covered include: general principles of study design; hypothesis testing; review of methods for comparison of discrete and continuous data including ANOVA, t-test, correlation, and regression.		
Research Methodology and Experimental Design.	طرق بحث وتطبيقاته	1300-202
The course will focus on the fundamental skills required to assess data generated and collected. It will provide a process for applying the basic steps required in sorting, organizing, summarizing and describing variables as well as testing and measuring different sorts of linkages and associations between and among variables. Additionally, the course will analyze experimental designs, which are most effectively utilized in confirmatory research studies where the subject under investigation is well formulated, a theoretical paradigm exists to guide the research and testable hypotheses can be developed. These designs attempt to establish causal relationships between interventions and outcomes.		

Measurement, sampling and statistical techniques relevant to both surveys and experimental design will be addressed. In addition to covering ethical protocol in research, the course will investigate the interpretation of results, the writing up of findings and effective communication of data.		
Evidence Based Practice in Physical Therapy (1)	الممارسات الإكلينيكية القائمة على الأدلة (1)	1300-203
This course in evidence-based clinical-decision making designed will provide Physical Therapy postgraduates students with content areas in forming clinical questions, literature search, and critical appraisal of selected literature. Applications will fall within the Physical Therapy Profession Patient/Client Management Model.		
Advanced Exercise Physiology	منهج متقدم في فسيولوجيا التمرينات	1300-204
This course focuses on the physiology of the muscular system, the relation between muscular system and the energy for physical effort. This Exercise Physiology course also concentrates on physiological and biochemical responses occurring in various body systems with exercise/activity in healthy individuals and individuals with diseases/disorders. Neural, muscular, cardiovascular and pulmonary adaptations to regular exercise of various types are discussed. Factors that influence the response to exercise such as age, sex and environment are discussed. Principles of exercise testing and prescription are addressed for healthy individuals as well as patients in rehabilitation using exercise as a preventive and/or intervention tool.		

3. توصيف المقررات لبرامج دبلوم الدراسات العليا فالعلاج الطبيعي

أ. توصيف مقررات دبلوم الدراسات العليا في العلاج الطبيعي لصحة المرأة

Course Name	اسم المقرر	كود المقرر
.Thorax, Abdomen and Pelvis Regional Anatomy for	تشريح الصدر والبطن والحوض	1304-101
This course introduces the graduates the advanced course of anatomy of thorax, abdomen and pelvis with emphasis on muscles nerves, bones, and vascular and lymphatic system. lab sections with dissection is available.		
Advanced Physiology of Nerve Muscle and Endocrine.	منهج متقدم في فسيولوجيا الجهاز العضلي العصبي و الغدد الصماء	1304-102
This course introduces the graduates with advanced course in physiology of neuromuscular, endocrine and female reproductive systems as well as, physiological basis of some gynecological disorders.		
Kinesiology in the field of women's health.	دراسة حركة في مجال صحة المراه	1304-103
This course introduces the graduates to the basic concepts of kinesiology and mechanical changes that can affect the female throughout her life.		
Gynecology and Obstetrics.	نظريات أمراض النساء والتوليد	1304-104
This course introduces the graduates to the most common complication and disease in females through puberty, reproductive period and menopause.		
Research Seminar in PT for women health.	أبحاث في العلاج الطبيعي لصحة المراه.	1304-105
This course encourage the ability of the graduate to evaluate and synthesis the research and professional literature in field physical therapy for women health practice		
Clinical training in physical therapy for women health.	تدريب عملي في ع.ط لأمراض النساء والتوليد	1304-106
This course develop experience of graduate in dealing, evaluating, treating and following up different women health disorders		
Introduction for female psychology	مقدمة لسيكولوجية المرأة	1304-107
This course provide the graduate by knowledge about female psychology and skills of problem solving experience of female psychological problems		
New Methods for Evaluation in women health.	نظرة جديدة في التقييم لصحة المراه	1304-108
This course provide the student with different methods in evaluating and develop plan of treatment according to reassessment in different cases in women health clinical practice.		

Course Name	اسم المقرر	كود المقرر
Electro Therapy for women health.	العلاج الكهربائي لصحة المراه	1304-109
This course provide the course with principles of electrophysics and the application to the human body in health and disease and relates principles to the use of electrophysiologic stimulators and testing equipment in women health clinical practice		
Introduction to pelvic and abdominal muscles EMG	مقدمة لرسم العضلات للبطن وعضلات الحوض الرافعة	1304-110
This course provide the graduate with introduction of different evaluative techniques of pelvic floor muscles and nerves including nerve conduction studies, evoked potentials and EMG		

ب. توصيف مقررات دبلوم الدراسات العليا في العلاج الطبيعي للأطفال

Course Name	اسم المقرر	كود المقرر
Neuroanatomy.	تشريح الجهاز العصبي	1308-101
This course is focusing on the structure of the spinal cord and its function in human body and its related dysfunction. This course is designed to provide the student with an opportunity to learn anatomical structures and relationships of the different parts of central nervous system to each other. The pathological condition of each part and its pathological effect in body function		
Neurophysiology.	فسيولوجيا الجهاز العصبي	1308-102
The course is designed to study the function of the nervous system in human body at the molecular, cellular, tissue and systems levels, in both health and disease. The major underlying themes are: the mechanisms for promoting homeostasis; cellular processes of metabolism, membrane function and cellular signaling; the mechanisms that match supply of nutrients to tissue demands at different activity levels; the different modalities in assessment of neurological ceases and muscular one s how to apply electrodiagnostic as physical therapy modalities in different cases		
Applied Principles of Biomechanics.	مبادئ الميكانيكا الحيوية	1308-103
This course deals with the biomechanics of bone, joints ,muscles, articular cartilage, ligaments and tendons in addition to some orthopedic disorders that leads to poor posture and balance from a functional anatomy perspective and biomechanical point of view .Special emphasis will be given on different types of fractures plus biomechanics of fracture fixation and also principle of screw and plate fixation & mechanical behavior of implant materials .The course emphasis on some orthopedic disorders that leads to poor posture and balance in addition to the role of physical therapy in early detection and treatment of postural errors .		
Pediatrics I.	أطفال (1)	1308-104
This course is focusing on prevention, early detection, and management of pediatric diseases and pediatric surgery including developmental delays and disorders, behavioral problems, functional disabilities, social stresses and mental disorders.		
Techniques of Physical Therapy in Pediatrics I.	وسائل العلاج الطبيعي في الأطفال (1)	1308-105
These courses provides the students with knowledge of developmental neurology, plasticity in development, Etiology, Pathophysiology of common neuropsychiatric conditions, impairment, clinical reasoning, goal setting & P.T. management. More emphasis should be given on physiotherapy management skills and writing progress notes and change		

Course Name	اسم المقرر	كود المقرر
plan of care according to patient condition.		
Biochemistry.	كيمياء حيوية	1308-106
Course is characterized by the study in depth the biochemistry of metabolism as carbohydrates, protein, lipids.This dedicated course focuses on biochemical reactions and sources of energy with emphasis on metabolic disorders as diabetes, gaout.ab is emphasizing on biochemical reactions for production of energy needed for body motion.		
Pathomechaics in Pediatrics.	الاضطرابات الميكانيكية الحيوية في الاطفال	1308-107
"Gait Analysis" focuses on building up knowledge and skills necessary for the utilization of the introduction, Kinematics analysis of gait, Running mechanics and Gait analysis systems .		
Techniques of Physical Therapy in Pediatrics II.	وسائل العلاج الطبيعي في أطفال (2)	1308-108
This course is focusing on application of different modalities in detection, and management of pediatric diseases and pediatric surgery including different techniques which used in developmental delays and disorders, behavioral problems, functional disabilities, social stresses and mental disorders .		
Radiology.	علم الأشعة	1308-109
This course is designed for the physical therapy student to meet the challenge of understanding the basic concepts of investigation using radiology in the human body.		
Hospital Administration.	علم إدارة مستشفيات	1308-110
This course is focusing on application of different modalities in management of physical therapy center ,how to deal with the different team in rehabilitation centers .how to apply new modalities in mangment of medical centers .		
Orthotics and Prosthesis.	الجبانر والأطراف الصناعية	1308-111
This course is dealing with applied apparatus used to modify the structural and functional characteristics of the neuromuscular and musculoskeletal system".An orthosis used to control, guide, limit and/or immobilizejoints or body segment for a specific reason, in addition tohelping in rehabilitation program.		
Rehabilitation.	التأهيل	1308-112
These courses provides the students with knowledge about rehabilitative techniques for pediatric population including speech therapy, management od autism and other pediatric disorders requiring special rehabilitative techniques. This course also stress the new techniques and innovation in pediatric rehabilitation		
Clinical Anatomy in Pediatric.	التشريح الإكلينيكي عند الأطفال	1308-113
The dissection portion of this course involves the study employing lecture and laboratory sessions are included. Emphasis is on musculoskeletal anatomy. Skeleton: structure and types of bones. Ossification of bones, Joints: types, stability, movements and nerve supply, Muscles: types of muscles, Anatomy of the Upper Limb:Bones: Scapula, Clavicle, humerus, Radius, Ulna and hand,Muscles: Pectoral region, Scapular region, arm, forearm & hand, Brachial plexus: formation and branches, Radial, median, ulnar, axillary and musculocutaneous nerves and the effect of their injury and Arteries: axillary, brachial, radial and ulnar arteries.		

4. توصيف مقررات لبرامج الماجستير في العلاج الطبيعي

أ. توصيف مقررات ماجستير العلاج الطبيعي لصحة المرأة

(1) مقررات تخصص أساسي (Major):-

Course Name	اسم المقرر	كود المقرر
Advanced regional anatomy (thorax, abdomen and pelvis.)	منهج متقدم في تشريح الصدر و البطن والحوض	1304-201
This course introduces the graduates the advanced course of anatomy of thorax, abdomen and pelvis with emphasis on muscles nerves, bones, and vascular and lymphatic system. lab sections with dissection is available.		
Physiology of Nerve ,Muscle and Endocrine	منهج متقدم في فسيولوجيا الجهاز العضلي العصبي و الغدد الصماء	1304-202
This course introduces the graduates with advanced course in physiology of neuromuscular, endocrine and female reproductive systems as well as, physiological basis of some gynecological disorders.		
Female psychology across life – span	سيكولوجيا المرأة في مراحل العمر المختلفة	1304-203
This course produce the changes in psychological changes in females through puberty , reproductive period either during pregnancy and lactation as well as the changes during menopause.		
Manual therapy in women health	العلاج اليدوي في صحة المرأة	1304-204
This course introduces the graduates to the new concept of manual treatment in different women health practical skills		
Basic in obstetrics and gynecology	نظريات أمراض النساء و التوليد	1304-205
This course introduces the graduates to the new concept of manual treatment in different obstetrics and gynecological disorder in females life span		
Independent study in women’s health (1)	دراسة حرة في صحة المرأة (1)	1304-206
This course present and encourage the graduate to study advanced topics in the area of physical therapy for women health		
Advanced evaluation in physical therapy for women’s health	منهج متقدم في العلاج الطبيعي لصحة المرأة	1304-207
This course is aiming to lean students the advanced \ role of physical therapy in women’s health disorders, with an emphasis on assessment and treatment of pelvic floor disorders.		
Biomechanics and women’s health	ميكانيكا حيوية و صحة المرأة	1304-208
This course produces advanced understanding of the changing knowledge base in female ergonomics and encourage the graduate skills and uses of ergonomics in this field		

Course Name	اسم المقرر	كود المقرر
Research seminar in selected P.T .for women's health	حلقات بحث في عناوين مختارة في صحة المرأة(1)	1304-209
This course develop clinical skills and apply critical evaluation of the literature in the management of women health disorders and try to develop evidence base in physical therapy for women health.		
Hospital administration	ادارة مستشفيات	1304-210
The course enable graduates to develop the ability to evaluate changes in the healthcare system, health policy, and the impact on the delivery of services with a focus on physical therapy. Appraises key business and management concepts, including personnel, insurance, finance, marketing, productivity, and financial and legal regulations within the context of ethical practice.		
Electrotherapy and women's health	العلاج الكهربائي و صحة المرأة	1304-211
Course Presents principles of electrophysics and the application to the human body in health and disease and relates principles to the use of electrophysiologic stimulators and testing equipment in women health clinical practice.. Explores the role of electrotherapy as adjunctive modality in a comprehensive physical therapy treatment plan.		

(2) مقررات تخصص فرعي (Minor) Pelvic floor dysfunction :-

Course Name	اسم المقرر	كود المقرر
Manual therapy in pelvic floor dysfunction	العلاج اليدوي في اضطرابات عضلات الحوض	1304-212
This course introduces the graduates to the new concept of manual treatment in pelvic floor dysfunction practical skills Explores the role of manual therapy as adjunctive modality in a comprehensive physical therapy treatment plan.		
Pelvic floor disorder and disease	اضطرابات و امراض عضلات الحوض	1304-213
This course produces advanced course in dealing with pelvic floor dysfunction during reproductive period and postmenopausal		
Advanced evaluation and clinical management for pelvic floor disorder	منهج متقدم في التقييم الكلينيكي لاضطرابات عضلات الحوض	1304-214
The participant will have the opportunity to learn about \ common bowel dysfunctions,such as fecal incontinence, constipation and prolapse , urogynecologic pain syndromes such as chronic pelvic pain (CPP), vulvar pain, and interstitial cystitis/painful bladder syndrome (IC/PBS) and how the pelvic rehabilitation provider can play a crucial role in overcoming these issues that affect quality of life so dramatically.		
Advanced in physical therapy management in pelvic floor dysfunction	منهج متقدم في دراسة العلاج الطبيعي لامراض عضلات الحوض	1304-215
This course produces advanced course in dealing, evaluating, treating pelvic floor dysfunction and differentiate between weakness or spasm disorders by using of advanced methods in assessment and treatment		

Course Name	اسم المقرر	كود المقرر
Introduction in E.M.G. Evaluation for pelvic floor muscles.	مقدمة في رسم عضلات الحوض الرافعة	1304-216
This course provides an introduction to different evaluative techniques of pelvic floor muscles and nerves including nerve conduction studies, evoked potentials and EMG for diagnosis of different pelvic floor diseases and pathologies		
Electrotherapy in pelvic floor dysfunction	العلاج الكهربائي في اضطرابات عضلات الحوض	1304-217
Course Presents principles of application to the human body in health and disease and relates principles to the use of electrophysiologic stimulators and testing equipment in pelvic floor dysfunction		
Research seminar in selected P.T .for pelvic floor disorder	حلقات بحث في اضطرابات عضلات الحوض	1304-218
This course encourage the ability of the graduate to evaluate and synthesis the advanced research and professional literature in field pelvic floor dysfunction		

ب. توصيف مقررات ماجستير العلاج الطبيعي للأطفال

1) مقررات تخصص أساسي (Major):-

Course Name	اسم المقرر	كود المقرر
Advanced course in human growth and development.	النمو والتطور لدي الأطفال (منهج متقدم)	1308-201
This course explores current knowledge regarding the neurophysiological mechanisms involved in Human growth and development from birth to adulthood. The course also explores a variety of therapeutic interventions with motor control as a foundation.		
Advanced evaluation techniques in pediatrics I.	مقرر متقدم في التقييم للأطفال (1)	1308-202
This course is providing different advance methods and evaluative techniques of muscles and nerves including nerve conduction studies, evoked potentials and EMG for diagnosis of different muscle diseases and pathologies		
Orthotics and prosthesis in pediatrics	الجبانر والأطراف الصناعية للأطفال	1308-203
This course provides an overview of the fundamental concepts that orthotics and prosthetics are founded on. The purpose of the course is to provide the student with knowledge that the subsequent clinical courses can build upon. The course covers: professional identity, terminology, history, scope of practice, materials, fabrication processes, component identification, a survey of common pathologies, basic clinical problem solving, orthosis and prosthesis classification and basic biomechanical principles in children.		
Sport injuries rehabilitation in children	الإصابات الرياضية عند الاطفال	1308-204
Introductory functional anatomy and pathology, physiology of healing, common injuries and their acute and chronic management, common medical conditions affecting children during physical activity participants. Modalities or rehabilitation includes heat, cold, electro therapy, rehabilitation, sports taping, psychology of injury, movement observation and analysis, movement and strength, assessment. Also, course will cover evidence based practice for injury management and influence of movement on the healing process, exercise prescription, the use of equipment, case management procedures and mechanics of injury and treatment programs		
Advanced Pediatric Physical Therapy.	منهج متقدم في العلاج الطبيعي للأطفال	1308-205
This course provides the students with knowledge of developmental milestones, plasticity in development, Etiology, Pathophysiology of common neuropaediatric conditions, impairment, clinical reasoning, goal setting & P.T. management. More emphasis should be given on physiotherapy management skills and writing progress notes and change plan of care according to child condition. How to deal with them		
Clinical neuroanatomy & Neurophysiology.	تشریح وفسیولوجیا الجهاز العصبي الإكلينيكي	1308-206
This course intends to familiarize students with medical terminology & abbreviations for efficient & effective chart reviewing & documentation. It also explores select systemic diseases, focusing on epidemiology, etiology, pathology, histology as well as primary & secondary clinical characteristics & their management. It discusses & integrates subsequent medical or surgical management of Neurological conditions to formulate appropriate intervention, indications, precautions & contraindications.		
Pediatric rehabilitation I.	تأهيل الأطفال (1)	1308-207
Course is enabling the student to be independent in examination of patients with musculoskeletal system problems by obtaining history from patient or family to put a specific rehabilitation program to help the patient to reengage to society.		
Pediatric occupational Therapy I.	علاج وظيفي للأطفال	1308-208
This course introduces the role and function of occupational therapy with pediatric populations and settings, including infancy, early childhood, middle childhood, adolescence, and young adulthood. This course introduces the student to physiological, cognitive, and psychosocial function commonly referred to pediatric occupational therapy practice. Evidence based evaluation and screening, and intervention planning for dysfunction and health promotion are emphasized throughout the occupational therapy process and		

Course Name	اسم المقرر	كود المقرر
within the scope of practice for the physical therapists.		
Gait analysis in pediatrics I.	تحليل الحركة في الأطفال	1308-209
This course deals with the mechanics of human motion from a functional anatomy perspective. Special emphasis will be given on center of gravity, stability and force system and gait analysis in pediatrics. The course emphasis on the nature of the musculoskeletal also simple body machine inside it as levers, pulley and wheel and axle in addition to laws of motion and its clinical application.		
Nutrition for children	التغذية العلاجية للأطفال	1308-210
This course will cover topics such as nutrition assessment of children, nutritional requirements of children, normal feeding in children, over-nutrition and under-nutrition in infancy and childhood, childhood obesity. The course will focus on real life scenarios and experiences. A basic knowledge of nutrition is assumed however once registered some pre reading is available on the site to provide up to date guidelines and information relevant to this course.		

(2) مقررات تخصص فرعي -:Learning Disabilities (Minor)

Course Name	اسم المقرر	كود المقرر
Speech science I.	علم التخاطب (1)	1308-212
This course is designed to teach physical therapy students advanced psychopathology, classification of speech disorders, diagnosis, therapeutic options, and current oral motor problems .		
Special education.	التعليم الخاص	1308-213
This course is designed to learn physical therapists who to work and deal with students with learning disabilities, attention deficits (with or without hyperactivity), developmental delays, behavior problems or other distinctive disorders. Participants will also gain understanding of students with dyslexia, autism, and multiple disabilities.		
Communication skills in children	مهارات التواصل عند الاطفال	1308-214
This course provides opportunity for study in children and community health problems as well as steps that can be taken by individuals and groups to reduce risk of health problems for individuals, families, and communities. It also provides an introduction to the nature of community health services and resources.		
Behavioral Psychology.	علم النفس السلوكي	1308-215
Course is focus on epidemiology, prevention, and interventional strategies. Students examine the behavioral issues related to reducing the incidence of these conditions, and managing them when they are present, including learning , motivation, and behavior change strategies		
Pediatric Psychology	علم نفس للأطفال (سيكولوجية الطفل)	1308-216
This course is designed to teach physical therapy students advanced psychopathology, classification of psychiatric disorders, diagnosis, therapeutic options, and current psychiatric issues.		
Rehabilitation of Individuals with Autism Spectrum Disorders	تأهيل الأفراد المصابين باضطرابات التوحد	1308-217
This course is focus on learning Physical therapists (PTs) how to utilize their unique position to help children with autism spectrum disorder (ASD) through helping children with ASD to develop their gross motor skills and basic movement skills and learn those individuals to use their skills to play games, sports, and take part in physical education with their peers.		

(3) مقررات تخصص فرعي (Minor 2) Occupational Therapy in children :-

Course Name	اسم المقرر	كود المقرر
Introduction to professional practice in OT	مقدمه للتاهيل الوظيفي	1308-218
Introduction to occupational therapy and to the development of professional behaviors and skills through interactive learning contexts.		
Occupational solutions in OT	الحلول الوظيفيه فى العلاج الوظيفي	1308-219
Assessment and treatment of child across the lifespan with disorders of the nervous system, and a focus on impairments at the level of the body structures and functions (motor, sensory, perceptual- cognitive and behavioural) and the impact on occupations.		
Therapeutic strategies in OT (1)	الخطط العلاجيه فى العلاج الوظيفي	1308-220
A musculoskeletal framework is used to evaluate occupational performance, to establish child goals and to competently disable case studies, across the lifespan. Case discussions will be framed using the occupational models		
Sensory integration theory	التوافق الحسى البصرى	1308-221
Introduction to sensory integration theory and how to function this theory to facilitate the different abnormalities in children		
Enabling human occupation	تمكين الإنسان من العمل	1308-222
introduces students to the theoretical and professional practice frameworks and models of human occupation that will be integrated within all professional courses within the Program, thereby initiating the development of a professional identity as an Occupational Therapist.		
Occupation rehabilitation	التاهيل الوظيفي	1308-223
Assessment and treatment of child across the lifespan with disorders of the nervous system, and a focus on impairments at the level of the body structures and functions (motor, sensory, perceptual- cognitive and behavioural) and the impact on occupations.		