

اسم التخصص	العلاج الطبيعي
الدرجة العلمية للتخصص	ماجستير
الكلية	كلية الدراسات العليا والبحث العلمي

أولاً: مسار الرسالة

الساعات المطلوبة للحصول على درجة الماجستير في هذا التخصص

المجموع	مسار الرسالة	متطلبات اختيارية	متطلبات اجبارية
36 ساعة	(6) ساعات معتمدة، ويخصص لها الرقم: 488,988	(6) ساعة معتمدة من مستوى: 700	(24) ساعة معتمدة من مستوى: 700

تكون متطلبات الحصول على درجة الماجستير (36) ساعة معتمدة، حسب الخطة الدراسية، وتوزع هذه المتطلبات على النحو الآتي:

أ. المواد الإلزامية ويخصص لها (24) ساعة معتمدة من مستوى: 700

ب. المواد الاختيارية ويخصص لها (6) ساعة معتمدة من مستوى: 700

ج. الرسالة الجامعية ويخصص لها (6) ساعات معتمدة، ويخصص لها الرقم: 488,988

أ- المواد الإلزامية: بواقع (24) ساعات معتمدة موزع كالتالي:

الرقم	رقم المساق	اسم المادة	عدد الساعات المعتمدة	نظري	عملي
1	701201	Advanced Research Method and biostatistics	3	3	
2	701202	Clinical Kinesiology and Biomechanical Principles	3	2	1
3	701203	Advance Theories and Practice in Orthopedic Rehabilitation I	3	2	1
4	701205	Advance Theories and Practice in Orthopedic Rehabilitation II	3	2	1
5	701207	Advanced Academic writing	1	1	-
6	701208	Scoliosis and Rehabilitation	2	2	-
7	701209	Physiotherapy and Rehabilitation after Orthopedic Surgery	3	2	1
8	701301	Spinal Stabilization Exercises	2	1	1
9	701302	Cognitive-Behavioral Assessment and Treatment Methods In Chronic Spinal Pain	2	2	-
10	701303	Romatological Rehabilitation	2	2	-
		المجموع	24		

ب- المواد الاختيارية: بواقع (6) ساعات معتمدة يختارها الطالب من المواد التالية:

الرقم	رقم المادة	اسم المادة	عدد الساعات المعتمدة	نظري	عملي
1	702304	Manipulation and Mobilization Methods	3	2	1
2	702305	Orthotics and Prostheses in Orthopedic Rehabilitation	3	3	-
3	702306	Soft Tissue Injuries and Physiotherapy	3	3	-
4	702307	Specialized Health care: Ethics and Roles	3	3	-

-	3	3	Evidence Based Practice in Orthopedic Rehabilitation	702308	5
-	3	3	Differential Dignosis in physiotherapy	702309	6
1	2	3	Electrotherapy	702401	7
-	3	3	Pain Management in Physiotherapy	702402	8
-	3	3	Management and Leadership in Health care	702405	9

ج-الرسالة:

الرقم	رقم المادة	اسم المادة	عدد الساعات المعتمدة	شروط خاصة
1	701488	Thesis I	3	اجتياز 18 ساعة
2	701988	Thesis II	3	

ثانياً: مسار الشامل

اسم التخصص	العلاج الطبيعي
الدرجة العلمية للتخصص	ماجستير
الكلية	كلية الدراسات العليا والبحث العلمي

الساعات المطلوبة للحصول على درجة الماجستير في هذا التخصص

متطلبات إجبارية	متطلبات اختيارية	البحث ومشروع التخرج	المجموع
(24) ساعة معتمدة	(9) ساعة معتمدة	(3) ساعات معتمدة،	36 ساعة

تكون متطلبات الحصول على درجة الماجستير (36) ساعة معتمدة، حسب الخطة الدراسية، وتوزع هذه المتطلبات على النحو الآتي:

- المواد الإلزامية ويخصص لها (24) ساعة معتمدة .
- المواد الاختيارية ويخصص لها (9) ساعة معتمدة .
- البحث ومشروع التخرج ويخصص له (3) ساعة معتمدة.

أ. المواد الإلزامية: بواقع (24) ساعات معتمدة موزعه كالاتي:

الرقم	رقم المساق	اسم المادة	عدد الساعات المعتمدة	نظري	عملي
1	701201	Advanced Research Method and biostatistics	3	3	
2	701202	Clinical Kinesiology and Biomechanical Principles	3	2	1
3	701203	Advance Theories and Practice in Orthopedic Rehabilitation I	3	2	1
4	701205	Advance Theories and Practice in Orthopedic Rehabilitation II	3	2	1
5	701207	Advanced Academic writing	1	1	
6	701208	Scoliosis and Rehabilitation	2	2	
7	701209	Physiotherapy and Rehabilitation after Orthopedic Surgery	3	2	1
8	701301	Spinal Stabilization Exercises	2	1	1

-	2	2	Cognitive-Behavioral Assessment and Treatment Methods In Chronic Spinal Pain	701302	9
-	2	2	Romatological Rehabilitation	701303	10
		24	المجموع		

ب. المواد الاختيارية: بواقع (9) ساعات معتمدة يختارها الطالب من المواد التالية :

الرقم	رقم المادة	اسم المادة	عدد الساعات المعتمدة	نظري	عملي
1	702304	Manipulation and Mobilization Methods	3	2	1
2	702305	Orthotics and Prostheses in Orthopedic Rehabilitation	3	3	-
3	702306	Soft Tissue Injuries and Physiotherapy	3	3	-
4	702307	Specialized Health care: Ethics and Roles	3	3	-
5	702308	Evidence Based Practice in Orthopedic Rehabilitation	3	3	-
6	702309	Differential Dignosis in physiotherapy	3	3	-
7	702401	Electrotherapy	3	2	1
8	702402	Pain Management in Physiotherapy	3	3	-
9	702405	Management and Leadership in Health care	3	3	-

ج. الامتحان الشامل بواقع 3 ساعات معتمدة

الرقم	رقم المساق	اسم المساق	عدد الساعات المعتمدة	شروط خاصة
1	702688	Comprehensive Exam	0	-
2	702403	Research and Seminar Project	3	

وصف المساقات:



Course Description & Intended Learning Outcomes	Course Name	#
The purpose of this course is to prepare the graduate students for the utilization of new knowledge to provide high quality health care, initiate change, and improve practice. The course introduces the students to different research designs, instruments, methods of data collection, analysis and used statistical techniques (descriptive statistics, correlation and linear regression, factor analysis, and elementary hypothesis testing), and their applicability to specific health care problems. The students will have the opportunity to design a research project in his/her area of specialization.	Advanced Research Method and biostatistics	.1
The clinical kinesiology and biomechanical principles provide learners with knowledge of basic biomechanical principles, biomechanics of basic tissues, kinesiology principles of joints. This course aim teaching basic biomechanical principles and kinesiology concepts that form the basis of rehabilitation.	Clinical Kinesiology and Biomechanical Principles	.2
This course is structured to provide advanced evidence-based clinical evaluation and treatment of the cervical and thoracic spine, shoulder, elbow, wrist and hand in interdisciplinary orthopedics rehabilitation, utilizing advanced orthopedic skills. Emphasis will be placed on enhancing clinical decision-making skills and integrating patients' evaluation, and patients' prognosis as well as individualized rehabilitation needs in patient's plane of care. This course aims to expand knowledge and skills of students in orthopedics rehabilitation to interdisciplinary context. This course provided a venue to apply models of practice, clinical reasoning, and evidence-based practice in orthopedics rehabilitation.	Advance Theories and Practice in Orthopedic Rehabilitation I	.3
This course is structured to provide advanced evidence-based clinical evaluation and treatment of the lumbar spine, hip, knee, ankle and foot in interdisciplinary orthopedics rehabilitation, utilizing advanced orthopedic skills. Emphasis will be placed on enhancing clinical decision-making skills and integrating patients' evaluation, and patients' prognosis as well as individualized rehabilitation needs in patient's plane of care. This course aims to expand knowledge and skills of students in orthopedics rehabilitation to interdisciplinary context. This course provided a venue to apply models of practice, clinical reasoning, and evidence-based practice in orthopedics rehabilitation.	Advance Theories and Practice in Orthopedic Rehabilitation II	.4
This course is designed for students who have started their research project and are in the process of writing a manuscript. The course is based on lectures, group work, peer review of other student's manuscript texts, as well as own work with figures, tables, and manuscript writing.	Advanced Academic writing	.5
Scoliosis and Rehabilitation course is designed to know examination of scoliosis definition, types and classification, current approaches about conservative and surgical treatment options and occupational therapy. This course aim to increase knowledge and skills about evaluation methods, conservative and surgical treatment approaches in scoliosis, and to follow up recent approaches.	Scoliosis and Rehabilitation	.6
This course is designed to know examination of physiotherapy and rehabilitation approaches after surgical treatments performed in orthopedic problems. This course aim to provide information about surgical methods used in orthopedic problems. To provide theoretical training and practice about post-surgery physiotherapy and rehabilitation interventions.	Physiotherapy and Rehabilitation after Orthopedic Surgery	.7
This course examines the general information about spinal stabilization, functional anatomy of the spine, factors that negatively affect stabilization, assessment and exercise methods for stabilization, case studies and practical application. This course designed to give information about the mechanism of spinal stabilization, muscle imbalance and posture affecting the spine stabilization, to give information about assessment and exercise methods for spinal stabilization, to increase the level of knowledge with practical applications and case studies.	Spinal Stabilization Exercises	.8
Cognitive-behavioral assessment and treatment methods in chronic spinal pain) is about the examining the cognitive-behavioral state in chronic spinal pain with evidence-based physiotherapy assessment methods. This course is designed to obtain information about the general course of pain behavior in chronic spinal pain, to obtain	Cognitive-Behavioral Assessment and Treatment Methods	.9

information about assessment strategies to determine cognitive-behavioral status in chronic spinal pain, to obtain information about treatment methods for cognitive-behavioral conditions in chronic spinal pain.	In Chronic Spinal Pain	
This course is focusing on biopsychosocial problems seen in rheumatic diseases and current physiotherapy and rehabilitation approaches in their treatment.. Important subtopics will be covered to broaden the students' perspectives in this regard. Romatological Rehabilitation is designed to Know students the Evaluation of biopsychosocial problems in coping with chronic pain in individuals with rheumatism and learning about treatment approaches.	Romatological Rehabilitation	.10
This course gives students the diagnosis of joint biomechanics and facial systems and joint dysfunctions and their treatment with manipulative treatment techniques. Manipulation and mobilization methods course is designed to know advanced theoretical and practical information will be given about manipulation and mobilization applications, and applications will be made for mechanical diagnosis and manual treatment of all joints.	Manipulation and Mobilization Methods	.11
This course is designed to know students the basic features of upper and lower extremities and spinal orthoses and use of upper, lower extremities orthoses and prosthese in special cases. Knowledge of selection the orthoses and prostheses , modification, application to the patient and teaching the basic principles.	Orthotics and Prostheses in Orthopedic Rehabilitation	.12
This course addresses examination of soft tissue injuries, injury types, healing mechanism and physiotherapy and rehabilitation interventions after muscle, tendon, ligament, bursa and synovial injuries. Soft Tissue Injuries and Physiotherapy is designed to provide information about soft tissue injuries and physiotherapy. To provide theoretical training about physiotherapy and rehabilitation interventions that can be applied after soft tissue injuries.	Soft Tissue Injuries and Physiotherapy	.13
This course discusses the implications of advanced practice and its effects on the development of the medical students. In addition, the course will focus on the role of the therapist as a patient advocate discusses some of the cross cultural and ethical issues that face therapists in providing care for their patients and families, and provide guidelines for ethical decision making.	Specialized Health care: Ethics and Roles	.14
This course builds on fundamental clinical experience using clinical reasoning models, exploring the actions and evolving thoughts used by a clinician to arrive at a diagnostic and management decision, and the subsequent application of that decision. Students are given the opportunity to use clinical reasoning models to study an area of interest. In addition, this course explores the principles of systematic reviews relevant to physiotherapy practice. Emphasis will be placed on the legal, ethical, socio-cultural, economic implications of research in health care. The philosophy of evidence-based practice is examined in detail with examples from sources such as the physiotherapy evidence database (PEDRO) and Cochrane Collaboration databases.	Evidence Based Practice in orthopedic Rehabilitation	.15
This course introduces the students to the prevention of injuries associated with participation in sports or physical activity, methods of responding to acute injuries during training or competition, athlete rehabilitation, improving athlete performance, promoting a safe active lifestyle, following up-to-date evidence in the field of sports physiotherapy and technological approaches in athlete rehabilitation. Physiotherapy in sport is designed to having knowledge and skills about the roles and competencies defined by the International Federation of Sports Physiotherapists for sports and exercise physiotherapists.	Physiotherapy in sport	.16
This course Introduces the students to electrotherapy and general information, pain and electrotherapy, inflammation and electrotherapy, electrical stimulation, electrodiagnostic tests, galvanic currents, case studies, faradic currents, sinusoidal currents, iontophoresis, neuromuscular electrical stimulation, functional electrical stimulation, high frequency currents, biofeedback, eswt, matrix rhythm therapy,	Electrotherapy	.17

magnetotherapy. Electrotherapy is designed to teach the effects of electrical agents on physiological and psychological events in the body by comprehending the therapeutic use of electricity; To learn how to use disease-specific treatment options by providing information about treatment modalities and to ensure that the treatment program is implemented on the patient in practice.		
This course includes the Mechanisms of pain, physiological differences of acute and chronic pain, pain assessment methods, strategies to cope with pain in different diseases, physiotherapy approaches in patients with pain. Pain Management in Physiotherapy is designed to earn a knowledge of basic information about the physiological mechanisms of pain, the role of acute and chronic pain in different diseases, pain assessment methods, and approaches used to cope with pain will be examined.	Pain Management in Physiotherapy	.18
The primary goal of this course is to prepare you to recognize client problems that are beyond the expertise of a physical therapist, and to then make the appropriate decision regarding the next step of referral. This level of differential diagnosis requires you to effectively compare and contrast neuromuscular signs and symptoms with those of possible systemic origin. It will be discussed review the clinical manifestations of the more common disorders of organ systems and discuss how they might mimic dysfunction of the neuromuscular system. You will develop proficiency in :systems screening, differential interviewing strategies, risk factors and red flag recognition. Pattern recognition and algorithmic approaches to clinical problem solving will be presented and practiced using case presentations. Emphasis will also be placed on the development of more advanced interviewing and observation skills.	Differential Diagnosis in physiotherapy	.19
The purpose of this course is to provide the student with a revision and guidance for writing his/her research project. Students will examine current topics and issues in health care research and make informed choices about their research topic. Which Focuses on the development and practical application of the most common skills in conducting qualitative and quantitative research. These skills will be developed and applied in analyzing existing data collection via qualitative and quantitative research design Students are expected to successfully prepare and present their research project at the end of the course in order to proceed in the program.	Research and Seminar Project	.20
This course provides for the comprehensive study of the Allied Medical Sciences as a vital component of multiple health care delivery systems. Its primary focus is on the preparation of health care managers to function in a variety of health settings. It examines financial, personnel, and quality control management with the emphasis on the role behaviors of the health care manager. An overview of management and leadership theories and processes and their implication for health care managers is provided.	Management and Leadership in Health care	.21
Thesis-track students are required to write a thesis in order to qualify for the MOPT degree. The student will work with one or two academic advisors from MOPT staff members of the Physiotherapy department. In this course, the student will develop the pre-selected research proposal draft, which should be approved by the advisor and the MPT committee.	Thesis I	.22
The students should conduct the field research for data collection, complete the statement of the research report “statistical analysis of study data, results presentation and discussion, and the final writing of the thesis” before the end of the second semester of the second year. Any prolongation of the deadline for submission of the complete thesis must be approved by the MPT committee based on the regulations of the graduate studies deanship at Palestine Ahliya University.	Thesis II	.23