



THE VISION OF THE UNIVERSITY OF JORDAN

A university excelling in pedagogy, research, and innovation and advancing in global standing

THE MISSION OF THE UNIVERSITY OF JORDAN

Providing students with fulfilling learning experiences, conducting knowledge-producing research, and building firm societal ties, within an environment conducive to creativity, innovation, and entrepreneurship: making efficient use of resources and forging fruitful partnerships.

THE VISION OF THE SCHOOL OF REHABILITATION SCIENCES

Leadership in the creation and development of knowledge, and in the preparation of human resources aspiring for excellence regionally and internationally

THE MISSION OF THE SCHOOL OF REHABILITATION SCIENCES

To excel in the preparation and training of model rehabilitation personnel, who participate in the health and community sector, and provide the local and regional community with appropriate rehabilitation services based on needs. Through educational curricula that facilitates the implementation of up to date rehabilitation services based on the best available evidence.

THE VISION OF THE DEPARTMENT OF PHYSIOTHERAPY

To be recognized as an outstanding educational program with high quality faculty members, staff and students

THE MISSION OF THE DEPARTMENT OF PHYSIOTHERAPY

To graduate professionals in the field of physical therapy who are to contribute to the health needs of society through education, scholarly activities, research, service and professional practice.

Course Syllabus

1	Course title	Musculoskeletal Physiotherapy I
2	Course number	1801313
3	Credit hours	2 Theory, 1 practical
	Contact hours (theory, practical)	2 Theory, 4 practical
4	Prerequisites/corequisites	0507103 & 181202
5	Program title	Bachelor of science
6	Program code	1801
7	Awarding institution	The University of Jordan
8	School	School of Rehabilitation Sciences
9	Department	Physiotherapy
10	Course level	Undergraduate
11	Year of study and semester (s)	2023-2024 1 st semester
12	Other department (s) involved in teaching the course
13	Main teaching language	English
14	Delivery method	<input checked="" type="checkbox"/> Face to face learning <input type="checkbox"/> Blended <input type="checkbox"/> Fully online
15	Online platforms(s)	<input checked="" type="checkbox"/> Moodle <input checked="" type="checkbox"/> Microsoft Teams <input type="checkbox"/> Skype <input type="checkbox"/> Zoom <input type="checkbox"/> Others.....
16	Issuing/Revision Date	1 st semester 2021-2022

17 Course Coordinator:

Name: Ibrahim Altubasi, PT, PhD

Contact hours: Sunday 12-1

Office number: 453

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18 Other instructors:

Name:

Office number:

Phone number:

Email:

Contact hours:

Name:

Office number:

Phone number:

Email:

Contact hours:

19 Course Description:

This course includes an introduction to principles of musculoskeletal evaluation, assessment and management of the joints of the lower extremities, and bone fractures including their normal and abnormal healing process and complications. Emphasis will be placed on the musculoskeletal evaluation and evidence-based management of different pathological, surgical and traumatic conditions and movement dysfunction related to the lower extremities. Lectures and laboratory sessions are used to develop skills in pathomechanics, patient evaluation, clinical decision-making, treatment planning and implementation for patient with lower extremity musculoskeletal dysfunction.

20 Course aims and outcomes:

A- Aims:

By the end of this course student should be able to understand concepts, language, and methods of quantitative research

B- Students Learning Outcomes (SLOs):

Upon successful completion of this course, students will be able to:

SLOs	SLO (1)	SLO (2)	SLO (3)	SLO (4)	SLO (5)	SLO (6)	SLO (7)	SLO (8)	SLO (9)	SLO (10)	SLO (11)
SLOs of the course											
1 Identify the different mechanisms of injury of the pathological and traumatic conditions affecting the hip, knee and ankle joints.		X									
2 Able to work in a team with a common goal of achieving the patient's best interest				X							
3 Critically analyze the evidence behind different treatment approaches					X						
4 Develop clinical reasoning skills by linking history taking, observation, and assessment and determine the proper management accordingly						X					
5 Plan an effective physical therapy program based on theoretical knowledge.						X					
6 Able to choose the most appropriate assessment and management options for their clients based on case scenarios						X	X				
7 to independently assess and manage different cases on pathologies and injuries of the lower extremities									X		
8 Undertake full physical examination of lower limb joints including proper history taking, observation, and assessment										X	



9 Perform the different management approaches effectively including stretching, strengthening and mobilization exercises.										X	
10 Comprehend the precautions in the rehabilitation of lower limb injuries		X						X			

Program SLOs:

1. Recognize, critically analyze and apply the conceptual frameworks and theoretical models underpinning physiotherapy practice
2. Demonstrate comprehension of background knowledge that informs sound physiotherapy practice
3. Demonstrate the ability to use online resources and technologies in professional development
4. Display a professional commitment to ethical practice by adhering to codes of conduct and moral frameworks that govern the practice of physiotherapy
5. Evaluate the importance of and critically appraise research findings to inform evidence-based practice such that these skills could be utilized in continuing self-development
6. Implement clinical reasoning, reflection, decision-making, and skillful application of physiotherapy techniques to deliver optimum physiotherapy management
7. Adhere to the professional standards of physiotherapy practice in terms of assessment, management, outcome measurement, and documentation
8. Display a willingness to promote healthy lifestyle and convey health messages to clients
9. Value the willingness to exercise autonomy while appreciating the challenges associated with delivering physiotherapy services
10. Display the ability to practice in a safe, effective, non-discriminatory, inter- and multi-disciplinary manner
11. Demonstrate effective oral and written communication with clients, carers, and health professionals

21. Topic Outline and Schedule:

Week	Lecture	Topic	Student Learning Outcome	Learning Methods (Face to Face/Blended/ Fully Online)	Platform	Synchronous / Asynchronous Lecturing	Evaluation Methods	Resources
1	1.1	Introduction to MSK + Principles of MSK	1, 4, 8, 10	Face to face	Moodle and Teams	synchronous	Theoretical and practical exams	Magee D. (2008) Orthopaedic physical

		assessment (subjective assessment)						assessment. 5th edition, Saunders Elsevier
	1.2	Principles of MSK assessment (objective assessment)	1, 4, 8, 10	Face to face	Moodle and Teams	synchronous	Theoretical and practical exams	Magee D. (2008) Orthopaedic physical assessment. 5th edition, Saunders Elsevier
	1.3	Introductory lab including lab requirements, previous knowledge revisions	1, 2, 8, 10	Face to face	Moodle and Teams		Theoretical and practical exams	Luqmani R., Robb J., Porter D., and Keating J. (2008). Textbook of Orthopaedics, Trauma and Rheumatology. Elsevier Limited. → Chapter 2

								Tidswell M. (1998). Orthopaedic Physiotherapy. Mosby International Limited. → Chapter 2 Porter S. (ed.) (2003). Tidy's Physiotherapy. Thirteenth Edition. Elsevier Science Limited
2	2.1	Introduction to fractures + Healing and complications of fractures (general and local)	1,2, 4, 8, 10	Face to face	Moodle and Teams	synchronous	Theoretical and practical exams	Luqmani R., Robb J., Porter D., and Keating J. (2008). Textbook of Orthopaedics, Trauma and Rheuma

								tology. Elsevier Limited. → Chapter 2 Tidswell M. (1998). Orthopa edic Physioth erapy. Mosby Internati onal sLimite d. → Chapter 2 Porter S. (ed.) (2003). Tidy's Physioth erapy. Thirteen th Edition. Elsevier Science Limited
	2.2	Principle of # manageme nt	1, 2, 4, 8	Face to face	Moodle and Teams	Synchrono us	e Theoretic al and practical exams xam	Luqma ni R., Robb J., Porter D., and Keating J. (2008). Textboo

Week	Lecture	Topic	Student Learning Outcome	Learning Methods (Face to Face/Blended/ Fully Online)	Platform	Synchronous / Asynchronous Lecturing	Evaluation Methods	Resources
	2.3	Lab: use of crutches and walkers	1, 2	Face to face	Moodle and Teams			
3	3.1	Hip joint anatomy and biomechanics	1	Face to face	Moodle and Teams	synchronous	Theoretical and practical exams	Brotzman SB and Manske RC (2011) Clinical orthopaedic rehabilitation. An evidence-based approach. 3rd edition, Mosby Inc., Philadelphia
	3.2	Hip joint anatomy and biomechanics	1	Face to face	Moodle and Teams	synchronous	Theoretical and practical exams	Brotzman SB and Manske RC (2011) Clinical orthopaedic rehabilitation. An

								evidence-based approach. 3rd edition, Mosby Inc., Philadelphia
	3.3	Lab: Physical examination of the hip (history, observation, examination and palpation+ special tests)	1, 4, 8, 10	Face to face	Moodle and Teams		Theoretical and practical exams	Magee D. (2008) Orthopaedic physical assessment. 5th edition, Saunders Elsevier
4	4.1	Extra-articular hip pathologies : - Internal coxa sultan - External coxa sultan - Muscle strains	1, 4, 8	Face to face	Moodle and Teams	synchronous	Theoretical and practical exams	Brotzman SB and Manske RC (2011) Clinical orthopaedic rehabilitation. An evidence-based approach. 3rd edition, Mosby Inc.,

								Philadel phia
	4.2	Extra- articular hip pathologies : - Gluteal tears - Bursitis - Athletic pubalgia - Hip joint fractures and dislocation s	1, 4, 8	Face to face	Moodle and Teams	synchrono us	Theoreti cal and practical exams	Brotzma n SB and Manske RC (2011) Clinical orthopae dic rehabilit ation. An evidenc e-based approac h. 3rd edition, Mosby Inc., Philadel phia
	4.3	Physical examinatio n of the hip (history, observation , examinatio n and palpation+ special tests)	1, 4, 8, 10	Face to face	Moodle and Teams		Theoreti cal and practical exams	Magee D. (2008) Orthopa edic physical assessm ent. 5th edition, Saunders Elsevier
5	5.1	Total hip arthroplast y: - Indication s	1	Face to face	Moodle and Teams	synchrono us	Theoreti cal and practical exams	Brotzma n SB and Manske RC (2011)

		- Goals						Clinical orthopaedic rehabilitation. An evidence-based approach. 3rd edition, Mosby Inc., Philadelphia
	5.2	Total hip arthroplasty: - Common surgical approaches Complications	1, 3, 5,6, 7, 9	Face to face	Moodle and Teams	synchronous	Theoretical and practical exams	Brotzman SB and Manske RC (2011) Clinical orthopaedic rehabilitation. An evidence-based approach. 3rd edition, Mosby Inc., Philadelphia
	5.3	Physical examination of the hip (continued) : special	1, 4, 8, 10	Face to face	Moodle and Teams		Theoretical and	Magee D. (2008) Orthopaedic

		tests + mobilisation					practical exams	physical assessment. 5th edition, Saunders Elsevier
6	6.1	Pre and post-operative management of total hip arthroplasty	1, 3, 5, 6, 7, 9	Face to face	Moodle and Teams		Theoretical and practical exams	Brotzman SB and Manske RC (2011) Clinical orthopaedic rehabilitation. An evidence-based approach. 3rd edition, Mosby Inc., Philadelphia
	6.2	Pre and post-operative management of total hip arthroplasty	1, 3, 5, 6, 7, 9	Face to face	Moodle and Teams	synchronous	Theoretical and practical exams	Brotzman SB and Manske RC (2011) Clinical orthopaedic rehabilitation. An

								evidence-based approach. 3rd edition, Mosby Inc., Philadelphia
	6.3	Hip joint treatment: hip exercises	1, 3, 5, 6, 7, 9	Face to face	Moodle and Teams		Theoretical and practical exams	Brotzman SB and Manske RC (2011) Clinical orthopaedic rehabilitation. An evidence-based approach. 3rd edition, Mosby Inc., Philadelphia
7	7.1	Knee joint anatomy and biomechanics: - Tibiofemoral joint - Cartilage	1, 4, 8	Face to face	Moodle and Teams	synchronous	Theoretical and practical exams	Magee D. (2008) Orthopaedic physical assessment. 5th edition, Saunders

								s Elsevier
	7.2	Knee joint anatomy and biomechanics: - Medial and lateral menisci - Medial and lateral collateral ligaments -	1, 4, 8	Face to face	Moodle and Teams	synchronous	Theoretical and practical exams	Magee D. (2008) Orthopaedic physical assessment. 5th edition, Saunders Elsevier
	7.3	Practical midterm exam						
8	8.1	Knee joint anatomy and biomechanics: - Patellofemoral joint management	1, 4, 8	Face to face	Moodle and Teams	synchronous	Theoretical and practical exams	Magee D. (2008) Orthopaedic physical assessment. 5th edition, Saunders Elsevier
	8.2	Patellofemoral disorders: - What is Patellofemoral Pain Syndrome	1, 4, 8	Face to face	Moodle and Teams	synchronous	Theoretical and practical exams	Brotzman SB and Manske RC (2011) Clinical orthopaedic

		me (PFPS)? - Causes of PFPS						rehabilitation. An evidence-based approach. 3rd edition, Mosby Inc., Philadelphia Magee D. (2008) Orthopaedic physical assessment. 5th edition, Saunders Elsevier
	8.3	Physical assessment of the knee → PFPS assessment + swelling tests	1,4, 8, 10	Face to face	Moodle and Teams		Theoretical and practical exams	
9	9.1	Physical examination and management of patellofemoral pain syndrome (PFPS)	1, 3, 5,6, 7, 9	Face to face	Moodle and Teams	synchronous	Theoretical and practical exams	Brotzman SB and Manske RC (2011) Clinical orthopaedic rehabilitation

								ation. An evidenc e-based approac h. 3rd edition, Mosby Inc., Philadel phia Magee D. (2008) Orthopa edic physical assessm ent. 5th edition, Saunders Elsevier
	9.2	<p>Anterior Cruciate Ligament injury:</p> <ul style="list-style-type: none"> - Mechanism of injury - Classification of ligament injuries - Signs and symptoms 	1, 4, 8	Face to face	Moodle and Teams	synchronous	Theoretical and practical exams	Brotzman SB and Manske RC (2011) Clinical orthopaedic rehabilitation. An evidence-based approach. 3rd edition, Mosby

								Inc., Philadelphia Magee D. (2008) Orthopaedic physical assessment. 5th edition, Saunders Elsevier
	9.3	Physical assessment of the knee → Meniscal and ligamentous injury tests	1, 4, 8, 10	Face to face	Moodle and Teams		Theoretical and practical exams	
10	10.1	Anterior Cruciate Ligament injury: Non-operative management - Operative management	1, 3, 5,6, 7, 9	Face to face	Moodle and Teams	synchronous	Theoretical and practical exams	Brotzman SB and Manske RC (2011) Clinical orthopaedic rehabilitation. An evidence-based approach. 3rd edition,

								Mosby Inc., Philadelphia Magee D. (2008) Orthopaedic physical assessment. 5th edition, Saunders Elsevier
	10.2	<p>Meniscal injuries:</p> <ul style="list-style-type: none"> - Functional consideration - Meniscal movement - Incidence - Mechanism of injury - Meniscal healing - Clinical presentation - Treatment options 	1, 3, 5,6, 7, 9	Face to face	Moodle and Teams	synchronous	Theoretical and practical exams	Brotzman SB and Manske RC (2011) Clinical orthopaedic rehabilitation. An evidence-based approach. 3rd edition, Mosby Inc., Philadelphia Magee D. (2008) Orthopa

								edic physical assessment. 5th edition, Saunders Elsevier
	10.3	Knee joint management (mobilisation + exercises)	1, 3, 5,6, 7, 9	Face to face	Moodle and Teams		Theoretical and practical exams	Magee D. (2008) Orthopaedic physical assessment. 5th edition, Saunders Elsevier
Week	Lecture	Topic	Student Learning Outcome	Learning Methods (Face to Face/Blended/ Fully Online)	Platform	Synchronous / Asynchronous Lecturing	Evaluation Methods	Resources
11	11.1	Posterior Cruciate Ligament injury + Medial and Lateral Cruciate Ligaments injury: - Mechanism of injury - Signs and symptoms	1, 4, 8	Face to face	Moodle and Teams	synchronous	Theoretical and practical exams	Brotzman SB and Manske RC (2011) Clinical orthopaedic rehabilitation. An evidence-based approach. 3rd edition,

		- Biomechanics of exercise -						Mosby Inc., Philadelphia Magee D. (2008) Orthopaedic physical assessment. 5th edition, Saunders Elsevier
	11.2	Posterior Cruciate Ligament injury + Medial and Lateral Cruciate Ligaments injury: - Operative and non-operative management	1, 3, 5,6, 7, 9	Face to face	Moodle and Teams	synchronous	Theoretical and practical exams	Brotzman SB and Manske RC (2011) Clinical orthopaedic rehabilitation. An evidence-based approach. 3rd edition, Mosby Inc., Philadelphia Magee D. (2008) Orthopa

								edic physical assessment. 5th edition, Saunders Elsevier
	11.3	Physical examination of the ankle and foot (cont.) + mobilisation + exercises	1, 3, 5,6, 7, 9	Face to face	Moodle and Teams		Theoretical and practical exams	Magee D. (2008) Orthopaedic physical assessment. 5th edition, Saunders Elsevier
12	12.1	Knee osteoarthritis: -What is knee osteoarthritis (OA)? - Incidence and prevalence - Diagnosis - Risk factors - Biomechanical changes Management	1, 3, 5,6, 7, 9	Face to face	Moodle and Teams	synchronous	Theoretical and practical exams	Tidswell M. (1998). Orthopaedic Physiotherapy. Mosby International Limited. Porter S. (ed.) (2003). Tidy's Physiotherapy. Thirteenth Edition. Elsevier

								Science Limited Peer-reviewed journals
12.2	Knee replacement surgeries: - Preoperative and postoperative management Complications	1, 3, 5,6, 7, 9		Face to face	Moodle and Teams	synchronous	Theoretical and practical exams	Brotzman SB and Manske RC (2011) Clinical orthopaedic rehabilitation. An evidence-based approach. 3rd edition, Mosby Inc., Philadelphia
12.3	Physical examination of the ankle and foot (cont.) + mobilisation + exercises	1, 3, 5,6, 7, 9		Face to face	Moodle and Teams		Theoretical and practical exams	Magee D. (2008) Orthopaedic physical assessment. 5th edition, Saunders Elsevier

13	13.1	Foot and ankle anatomy and biomechanics	1, 4, 8, 10	Face to face	Moodle and Teams	synchronous	Theoretical and practical exams	Brotzman SB and Manske RC (2011) Clinical orthopaedic rehabilitation. An evidence-based approach. 3rd edition, Mosby Inc., Philadelphia
	13.2	Foot and ankle anatomy and biomechanics	1, 4, 8	Face to face	Moodle and Teams	synchronous	Theoretical and practical exams	Brotzman SB and Manske RC (2011) Clinical orthopaedic rehabilitation. An evidence-based approach. 3rd edition, Mosby Inc., Philadelphia

	13.3	Physical examination of the ankle and foot (cont.) + mobilisation + exercises	1, 3, 5,6, 7, 9		Moodle and Teams		Theoretical and practical exams	Magee D. (2008) Orthopaedic physical assessment. 5th edition, Saunders Elsevier
14	14.1	Ankle fractures + sprain (inversion, eversion and high ankle), sinus tarsi syndrome	1, 4, 8	Face to face	Moodle and Teams	synchronous	Theoretical and practical exams	Brotzman SB and Manske RC (2011) Clinical orthopaedic rehabilitation. An evidence-based approach. 3rd edition, Mosby Inc., Philadelphia
	14.2	Foot pathologies : - Plantar fasciitis - Shin splint	1, 4, 8	Face to face	Moodle and Teams	synchronous	Theoretical and practical exams	Brotzman SB and Manske RC (2011) Clinical orthopaedic

								rehabilitation. An evidence-based approach. 3rd edition, Mosby Inc., Philadelphia
	14.3	Physical examination of the ankle and foot (cont.) + mobilisation	1, 4, 8, 10	Face to face	Moodle and Teams		Theoretical and practical exams	Magee D. (2008) Orthopaedic physical assessment. 5th edition, Saunders Elsevier
15	15.1	Foot pathologies : - Tarsal tunnel syndrome - Morton's neuroma Turf toe	1, 4, 8	Face to face	Moodle and Teams	synchronous	Theoretical and practical exams	Brotzman SB and Manske RC (2011) Clinical orthopaedic rehabilitation. An evidence-based approach. 3rd edition, Mosby

								Inc., Philadel phia
	15.2	Revision		Face to face		synchrono us		
	15.3	Revision for the ankle and foot lab		Face to face		synchrono us		

22 Evaluation Methods:

Opportunities to demonstrate achievement of the SLOs are provided through the following assessment methods and requirements:

Evaluation Activity	Mark	Topic(s)	SLOs	Period (Week)	Platform
Midterm exam	30%	First 6 weeks	1-10	23/11- 13/12/2021	At the University
Midterm Lab exam	15%	First 6 weeks	7, 8, 9	Week 7	At the University
Quizzes	5%	To be determined later	1-10	To be determined later	Online
Final Practical exam	15%	Comprehensive	7, 8, 9	Week 14	At the University
Final exam	35%	Comprehensive	1-10	According to University Schedule	At the University

23 Course Requirements

(e.g: students should have a computer, internet connection, webcam, account on a specific software/platform...etc):

24 Course Policies:

A- Attendance policies:

- Students are expected to be on time.
- Repeated tardiness or leaving early will not be accepted.
- Students who miss class (or any portion of class) are responsible for the content. All classes will be recorded and uploaded on Microsoft Stream. It is the student's responsibility to review the material of classes they missed.
- Attendance will be taken on every class throughout the semester.
- Absence of more than 15% of all the number of classes (which is equivalent to 7 classes) requires that the student provides an official excuse to the instructor and the dean.
- If the excuse was accepted the student is required to withdraw from the module.
- If the excuse was rejected the student will fail the module and mark of zero will be assigned according to the regulations of The University of Jordan.

B- Absences from exams and submitting assignments on time:

- The instructor will not do any make-up exams.
- Exceptions for make-up exams and late submission of class assignments will be made on a case-by-case basis for true personal emergencies that are described as accepted by the regulations of UJ (e.g., documented medical, personal, or family emergency).
- It is the student's responsibility to contact the instructor within 24 hours of the original exam time to schedule a make-up exam>
- Late submission of homework will result in deduction of 2 points for each day of delay
- Makeup for the final exam may be arranged according to the regulations of The University of Jordan.

C- Health and safety procedures:

- Students will not be in direct contact with patients during this course.

D- Honesty policy regarding cheating, plagiarism, misbehavior:

- Students are expected to observe all University guidelines pertaining to academic misconduct.
- Any work submitted by a student for academic credit must be the student's own work. Submission of work taken directly from another source (e.g., book, journal, internet, or another student work) will be considered plagiarism and the student/group will get a zero grade on that homework. In addition, if copying occurred, both the student who copied the work and the student who gave material to be copied (if applicable) will receive a zero for the assignment.
- Students are expected to do work required for homework on their own. Asking other instructors at JU, staff, or other students to assist in or do any part of the assignment for them will negatively affect their grade on that assignment. The course instructor is the person the student needs to talk to if s/he has any difficulties pertaining to an assignment or project and is strongly encouraged to schedule an appointment with the instructor if such difficulties arise during the semester.



- Course materials prepared by the instructor, together with the content of all lectures and review sessions presented by the instructor are the property of the instructor. Video and audio recording of lectures and review sessions without the consent of the instructor is prohibited.
- Any forms of academic misconduct will be handled according to the University of Jordan guidelines.

E- Grading policy:

- Grading for this course will be determined based upon the accumulation of points for variety of assignments and exams.
- All work will be evaluated on completeness, organization, clarity of information, and the integration and application of the material.

F- Available university services that support achievement in the course:

- The University of Jordan provides many services to support social, health, and mental well-being of students in general and students with disabilities in specific. Students are advised to visit the Deanship of Students Affairs to learn more about those services.
- If you are a student with a disability for which you may request accommodations, please notify the instructor as soon as possible (email is acceptable) so the appropriate accommodations for this course can be made. Also, notify the staff of Services for Student with Disabilities (Deanship of Students Affairs) as soon as possible.

The University of Jordan provides internet access for students who request such services. Please contact the Assistant Dean for Student Affairs for such requests.

25 References:

A- Required book(s), assigned reading and audio-visuals:

1. Magee D. (2008) Orthopaedic physical assessment. 5th edition, Saunders Elsevier
2. Brotzman SB and Manske RC (2011) Clinical orthopaedic rehabilitation. An evidence based approach. 3rd edition, Mosby Inc., Philadelphia
3. Luqmani R., Robb J., Porter D., and Keating J. (2008). Textbook of Orthopaedics, Trauma and Rheumatology. Elsevier Limited
4. Articles provided by lecturer

B- Recommended books, materials, and media:

1. Mascal CL., Landel R., and Powers C (2003). Management of Patellofemoral Pain Targeting Hip, Pelvis, and Trunk Muscle Function: 2 Case Reports. Journal of Orthopaedic & Sports Physical Therapy, 3:642-660.
2. Kinser C. and Colby LA. (2012) Therapeutic Exercises Foundations and Techniques. 6th edition, F.A. Davis Company



26 Additional information:

Students with disabilities:

- If you are a student with disability, please contact the course coordinator at the beginning of the term to inform them of any needs or adjustments you might have.
- According to University regulations, some students with disabilities can be allowed additional time during exams. This extra time is granted by an official letter from the University administration. Please discuss with the course coordinator your need for such extra time at the start of the term.
- All information you provide to the course coordinator will be dealt with confidentially.

This module builds on the knowledge and skill gained during other modules and provide further detailed knowledge on topic related to Musculoskeletal physiotherapy:

Biomechanics and kinesiology: Students will build on the knowledge gained from these two modules regarding the kinetics and kinematics of the different joints which will help in explaining the mechanisms of injury and planning management plans in musculoskeletal physiotherapy I module

Surgery for rehabilitation students: this module provides detailed information on the most common orthopaedic operations. The MSK I module will build on this knowledge by including the pre and post assessment and management procedures, contraindications, and precautions.

Test and Measures: Students will build on the skills acquired during this module and implement them on different case scenarios related to musculoskeletal problem. These skills include range of motion and manual muscle testing

Therapeutic exercises 1 and 2: Students are required to implement the skills gained during these modules in the design and implementation of a therapeutic exercise program for patient with musculoskeletal disorders, taking into consideration the possible contraindications including stretching, strengthening, balance exercises.

Course material and copy rights:

- All material prepared by the course coordinator for the purposes of this course are the intellectual property of the course coordinator. It is only intended for the personal use of students for their individual learning.
- Sharing of course content with other people or via different platforms other than those used by the course coordinator is prohibited. The permission of the course coordinator must be sought before sharing of content.



Name of Course Coordinator: ---Ibrahim Altubasi---Signature: -----IMA----- Date: 8/10/2023
Head of Curriculum Committee/Department: -Dr. Ibrahim Tobasi Signature: Ibrahim Tobasi
Head of Department: Dr. Ibrahim Tobasi Signature: Ibrahim Tobasi
Head of Curriculum Committee/Faculty: ----Prof. Kamal A. Hadidi----- Signature: -----KAH----- -----
Dean: ----Prof. Kamal A. Hadidi----- Signature: -----KAH

Practical assessment grading criteria

For each question (5%):

5: answer question correctly on time without any guidance

4: answer questions correctly but needed more time without guidance

3: answer question but needed guidance

2: answer questions but needed extended time and more guidance

0: does not know the answer