Jordan University of Science and Technology

Faculty of Applied Medical Sciences

Physical Therapy Department

P.T223 Musculoskeletal Assessment (Lab) - JNQF Level: 7
First Semester 2023-2024

Course Catalog
1 Credit Hours. This course focuses upon the clinical evaluation of the musculoskeletal system, involving the cervical, thoracic and Lumbar regions, the upper and lower extremities. Emphases will be placed on manual therapy assessment of the musculoskeletal system for enhancing the clinical decision-making rationale by analysing and integrating the clinical finding.

Text Book	
Title	Muscle Testing: Techniques of Manual Examination
Author(s)	Helen Hislop and Jacqueline Montgomery
Edition	18th Edition
Short Name	Ref#1
Other Information	

Course References

Short name	Book name	Author(s)	Edition	Other Information
Ref#2	Musculoskeletal Assessment Joint Motion and Muscle Testing	Hazel M. Clarkson	23rd Edition	
Ref#3	Musculoskeletal Examination	Jeffrey M. Gross, Joseph Fetto, and Elaine Rosen	30th Edition	

Instructor	
Name	**Dr. Mohammad Etoom**
Office Location	-

Office Hours	Sun : 08:00 - 08:30 Mon : 08:00 - 12:00 Tue : 08:00 - 08:30 Tue : 15:30 - 16:30 Thu : 08:00 - 09:00
Email	msetoom@just.edu.jo

Class Schedule & Room

Section 2:
Lecture Time: Tue : 09:30 - 11:30
Room: LAB

Section 3:
Lecture Time: Sun : 11:30 - 13:30
Room: LAB

Section 4:
Lecture Time: Thu : 11:30 - 13:30
Room: LAB

Section 5:
Lecture Time: Thu : 09:30 - 11:30
Room: LAB

Section 6:
Lecture Time: Sun : 13:30 - 15:30
Room: LAB

Tentative List of Topics Covered

Weeks	Topic	References
Week 1	Lab Orientation & Introduction	
Weeks 2, 3, 4	Shoulder complex assessment	From **Ref#1**, From **Ref#2**, From **Ref#3**
Week 5	Elbow joint Assessment	From **Ref#2**
Week 6	Wrist and hand assessment	From **Ref#1**
Weeks 7, 8	Hip Joint Assessment	From **Ref#2**, From **Ref#3**
Week 9	Knee Joint Assessment	From **Ref#1**
Week 10	Ankle Joint assessment	From **Ref#2**
Week 11	Cervical Spine assessment	From **Ref#1**, From **Ref#3**
Week 12	Thoracic Spine assessment	From **Ref#2**

Weeks 13, 14	Lumber Spine assessment	From **Ref#2**, From **Ref#3**

Mapping of Course Outcomes to Program Outcomes and NQF Outcomes	**Course Outcome Weight (Out of 100%)**	**Assessment method**
Describe functional anatomy and biomechanics of the musculoskeletal system as it relates to evaluation of musculoskeletal [1PLO1] [1L7K1]	10%	
Classify movement dysfunction and identify impairments, activity limitations and participation restrictions experienced by individuals with musculoskeletal dysfunction conditions [1PLO7] [1L7S2]	10%	
Use manual therapy skills to evaluate musculoskeletal conditions (Muscle testing, ROM, arthrokinematic, Osteokinematic and flexibility, open packed position and closes packed positions, capsular pattern of restrictions). [1PLO7] [1L7S3, 1L7C4]	40%	
Apply Goniometer and joint range of motion measurement. [1PLO7] [1L7S1, 1L7S2]	20%	
Utilize the positions for muscle testing and the goniometry [1PLO7, 1PLO9] [1L7C2, 1L7C4]	20%	

Relationship to Program Student Outcomes (Out of 100%)									
PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7	PLO8	PLO9	PLO10
10						80		10	

Relationship to NQF Outcomes (Out of 100%)					
L7K1	L7S1	L7S2	L7S3	L7C2	L7C4
10	10	20	20	10	30

Date Printed: 2024-02-01