



Jordan University of Science and Technology
Faculty of Applied Medical Sciences
Physical Therapy Department

P.T203 Musculoskeletal Anatomy (Lab) - JNQF Level: 7

First Semester 2023-2024

Course Catalog

1 Credit Hours. An experientially based course that uses lecture, computer medical applications, partner interaction, and digital images to study the three-dimensional structure and function of the osseous, articular, muscular, nervous and supportive tissues of the human body. A major focus of this course will be laboratory-based learning and will incorporate the use of surface anatomy, land-marking, and diagnostic imaging. This course is designed to provide students an applied experience into the study of human musculoskeletal anatomy and gain an appreciation for the application of anatomical and mechanical functions as they relate to human movement.

Teaching Method: On Campus

Text Book

| | |
|--------------------------|--|
| Title | Netter's Musculoskeletal Flash Cards E-Book. |
| Author(s) | Jennifer Hart & Mark D. Miller |
| Edition | 4th Edition |
| Short Name | Re#1 |
| Other Information | |

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 1:
Lecture Time: Sun : 12:30 - 14:30
Room: LAB

Section 2:
Lecture Time: Sun : 14:30 - 16:30
Room: LAB

Section 3:
Lecture Time: Mon : 12:30 - 14:30
Room: LAB

Section 4:
Lecture Time: Tue : 12:30 - 14:30
Room: LAB

Section 5:
Lecture Time: Wed : 12:30 - 14:30
Room: LAB

Section 6:
Lecture Time: Thu : 12:30 - 14:30
Room: LAB

Section 7:
Lecture Time: Thu : 14:30 - 16:30
Room: LAB

Tentative List of Topics Covered

| Weeks | Topic | References |
|------------|--|-------------|
| Week 1 | Lab Orientation & anatomical Terminology | From Ref##1 |
| Week 2 | Shoulder joint bony structure | From Ref##1 |
| Weeks 3, 4 | Shoulder joint muscular structure | From Ref##1 |
| Weeks 5, 6 | Elbow joint bony & muscular structure | From Ref##1 |
| Week 7 | Wrist and hand bony & muscular structure | From Ref##1 |
| Weeks 8, 9 | Vertebral column & pelvic - bony structure | From Ref##1 |
| Week 10 | Back, Thoracic & abdominal muscles | From Ref##1 |
| Week 11 | Hip & thigh bony structures | From Ref##1 |
| Week 12 | Hip & thigh muscular structures | From Ref##1 |
| Week 13 | Knee joint bony & muscular structures | From Ref##1 |
| Week 14 | Ankle and foot bony & muscular structures | From Ref##1 |

| Mapping of Course Outcomes to Program Outcomes and NQF Outcomes | Course Outcome Weight (Out of 100%) | Assessment method |
|--|-------------------------------------|--|
| Identify the attachments and function(s) of primary connective tissues (ligaments, capsules, menisci) supporting the selected peripheral joints of the upper and lower extremity, and of the spine [1PLO1 -K1] [1L7K1] | 30% | Midterm Exam, Homework, Final Exam |
| Learn to palpate, approximate or demonstrate the location of selected muscles in the upper and lower extremity [1PLO1 -K1] [1L7S3, 1L7C4] | 30% | Midterm Exam, Quiz, Final Exam |
| Describe the attachments, action(s), and function(s) of selected muscles in the upper and lower extremity, and spine [1PLO1 -K1] [1L7K1, 1L7S1] | 25% | Midterm Exam, Quiz, Homework, Final Exam |
| Correlate surface anatomy landmarks with underlying musculoskeletal structures [1PLO1 -K1] [1L7S2, 1L7C4] | 15% | Midterm Exam, Final Exam |

| Relationship to Program Student Outcomes (Out of 100%) | | | | | | | | | | | | | | | | |
|--|----------|----------|----------|----------|----------|----------|----------|-----------|----------|---------|---------|---------|---------|---------|---------|---------|
| PLO1 -K1 | PLO8- C1 | PLO9- C2 | PLO5- S1 | PLO2- K2 | PLO3- K3 | PLO6- S2 | PLO4- K4 | PLO10- C3 | PLO7- S3 | MS_PLO1 | MS_PLO2 | MS_PLO3 | MS_PLO4 | MS_PLO5 | MS_PLO6 | MS_PLO7 |
| 100 | | | | | | | | | | | | | | | | |

| Relationship to NQF Outcomes (Out of 100%) | | | | |
|--|------|------|------|------|
| L7K1 | L7S1 | L7S2 | L7S3 | L7C4 |
| 42.5 | 12.5 | 7.5 | 15 | 22.5 |

| Evaluation | |
|-----------------|--------|
| Assessment Tool | Weight |
| Midterm Exam | 30% |
| Quiz | 10% |
| Homework | 10% |
| Final Exam | 50% |

Date Printed: 2024-02-17