



Jordan University of Science and Technology
Faculty of Applied Medical Sciences
Department of Rehabilitation Sciences
First Semester 2016-2017, Course Syllabus

Course Information	
Course Title	Musculoskeletal Anatomy
Course Number	PT 201
Instructor	Mohammad A. Yabroudi, PT, MS, PhD
Office Location	Faculty of Applied Medical Science –2F
Teaching Assistant	
Office Phone	26936
Office Hours	
E-mail	m.a.yabroudi@gmail.com , m.yabroudi@just.edu.jo
Date & class room	
Course credit	2 credit hours (2 theoretical hrs per week)
Course Description	
<p>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.</p> <p>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.</p>	

Course Objectives
<ol style="list-style-type: none">1. Students will study the structure and function of the human body using a variety of resources (i.e., 3D medical applications, partner interaction, models, digital images, atlas of human anatomy, etc.)2. Students will improve their self-directed learning skills3. Students will be able to describe the structure and function of the skeletal system4. Students will be able to 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 spine5. Students will be able to describe the attachments, action(s), and function(s) of selected muscles in the upper and lower extremity, and spine6. Students will be able to describe the functions and pathways of the major peripheral nerves supplying the upper and lower extremity7. Students will learn to palpate, approximate or demonstrate the location of selected muscles in the upper and lower extremity

8. Students will learn to palpate, approximate or demonstrate the location of primary connective tissues (ligaments, capsules, menisci) of selected peripheral joints in the upper and lower extremity
9. Students will learn to palpate, approximate or demonstrate the location of selected skeletal landmarks

Students with disabilities

If you have a disability for which you are or may be requesting an accommodation, you are encouraged to contact both your instructor and Department of Rehabilitation Sciences at JUST, as early as possible in the term. DRS will verify your disability and determine reasonable accommodations for this course.

Text Books

Title	1. Functional Anatomy Musculoskeletal anatomy, kinesiology, and palpation for manual therapist.
Author(s)	Christy Cael
Year	2010
Edition	1 st edition
Other resources	Lectures hand outs; Gerard J. Tortora. Principles of Human Anatomy Instructor, Dr. Mohammad Yabroudi: I am happy to make appointments if you contact me by email (see the top of the front page)

Assessment Policy (Theory)

Assessment Type	Expected Due Date	Weight
First Exam	→	25%
Second Exam	→	25%
Quizzes	-----	10%
Final Exam	To be announced by the registrar office	40%

Additional Notes

Attendance policy:

- Students are expected to attend all more than 90% of lectures.
- All absences will be entered electronically into the University site
- If absence is more than 10% student will be banned from the course after electronic notification from the university through student e-mail.

Expected workload:

Students are expected to take every effort to ensure satisfactory learning of the material given.

Feedback:

Concerns or complaints should be expressed in the first instance to the course instructor. If no resolution is forthcoming then the issue should be brought to the attention of the Department Chair and if still unresolved to the Dean. Questions about the material covered in the lecture, and notes on the content of the course can be also sent to my e-mail address above.

**Course Schedule
Lectures**

Week #	Date	Lecture Title
1		Course Introduction
2		Musculoskeletal Terminology
3		Shoulder jt.– ligaments & bony structure
3		Shoulder jt.– muscular structure 1
4		Shoulder jt.– muscular structure 2
4		Shoulder jt.– muscular structure 3
5		Shoulder jt.– muscular structure 4
5		Elbow jt.– Ligaments, bony & muscular structure
6		First Exam
6		Wrist jt.& hand– ligaments & bony structure
7		Wrist jt.& hand– muscular structure
7		Face & Neck– muscular structure
8		Vertebral column bony structure
8		Back, Thoracic & abdominal muscles
9		Pelvic region – bony structure
9		Hip jt.– ligaments & bony structure
10		Hip & thigh muscles 1
10		Hip & thigh muscles 2
11		Second exam
11		Knee jt.– ligaments & bony structure
12		Knee jt. – muscular structure
13		Ankle jt. & Foot – ligaments & bony structure
13		Ankle jt. & Foot – muscular structure 1
14		Ankle jt. & Foot – muscular structure 2
15		Review
15		Review

Functional Anatomy Seminars - Functional Anatomic Palpation Systems | Functional Range Release. FUNCTIONAL RANGE RELEASE (F.R.) Technique. Functional anatomic palpation systems (f.a.p.) About. Upcoming events. Functional Anatomy Seminars - rated 4.8 based on 103 reviews "I attended the FRC as well as the FRA seminar. Both have been one of the bests if not... The owner and creator Functional Anatomy Seminars is Dr. Andreo Spina. Functional Anatomy Seminars (See more. CommunitySee all. Human anatomy. Functional morphology (histology) of organs and systems. Comparative anatomy and histology of humans and laboratory mammals. Embryology. Fundamentals of modern reproductive technologies. Age and ecological physiology. Functional anatomy of the nervous system. The legal basis for anatomical research and the teaching of anatomy using human organs. Bases of bioethics. Biosafety frameworks.