

### Course plan

<b>Year:</b> 1404-1405	<b>Semester:</b> * First <input checked="" type="checkbox"/> Second <input type="checkbox"/> Summer	<b>Number of students:</b> 10
<b>Major:</b> Medical doctorate	<input checked="" type="checkbox"/> Basic sciences, <input type="checkbox"/> Physiopathology	<b>Department:</b> anatomical science
<b>Course Title:</b> musculoskeletal	<input checked="" type="checkbox"/> Theoretical, <input type="checkbox"/> Practical	<b>Credit:</b> <b>Code N.:</b> 0203
<b>Prerequisite: : Introduction to anatomical science</b>	<b>Day &amp; Time:</b> Saturday ۳-۱	<b>Course type:</b>
<b>Instructor:</b> Dr forouzan rahmani	<b>Office address:</b>	<b>Tel:</b>
<b>Email:</b> forozaanrahmani47@gmail.com	<b>Response Hours and Days:</b>	<b>Student representative name and mobile number:</b>
<b>Main objective: :</b> learning the anatomy of the upper and lower limbs		
<p>On completion of this course, the student will be able to:</p> <p>At the end of the class, the student should be able to name the components of the skeleton of the upper and lower limbs, the position and connections of the ligaments and muscles on them , evaluate normal radiology images and be familiar with important pathoanatomical issues</p> <p>The student must explain the muscles attachments and function and be familiar with important patho-anatomical issues</p> <p>Name the vessels and nerves related to each area and their branches</p> <p>, vascular and nerve damage, recognize important pathoanatomical cases and their symptoms and signs</p> <p>Know and explain the neurovascular adjacent and their patho-anatomical cases.</p> <p>Explain the joints and their components correctly. Examine normal radiology images and be familiar with important pathoanatomical issues</p> <p>Draw and explain spinal plexus from root to branch. and examine their pathoanatomical cases</p> <p>Learn the vertebral column and name the constituent parts of a vertebra. Get to know some important pathoanatomical cases</p> <p>At the end of the class, the student should be familiar with the embryology of the musculoskeletal system and identify the types of important abnormalities and their causes.</p>		
<b>References (Text books):</b> <ul style="list-style-type: none"> <li>۱- Gray`s Anatomy for students(last version)</li> <li>۲- Gray`s Anatomy</li> <li>۳- Clinical Anatomy , Richard S. Snell (last version)</li> <li>۴- Longmans Embryology</li> <li>۵- Topics of anatomy and embryology taught in classes</li> </ul>		
<b>Student evaluation and the value related to each evaluation:</b> during the course (quizzes, assignments.....)/ midterm exam    / Midterm exam :9.25/ Final exam:9.25		

(The assessment tools that will be used to test student ability to understand the course material and gain the skills and competencies stated in learning outcomes)

ASSESSMENT TOOLS	From
Assignments	1
Quiz	1
Presence in online courses	
Midterm Exam	9
Final Exam (Written exam)	9
TOTAL MARKS	20

#### Students responsibilities:

- ١- Active presence in class and avoiding unauthorized absence
- ٢- Careful reading of books and pamphlets
- ٣- Participating in extra classes held by the professor to make up for the lack of time
- ٤- Participate in quizzes

#### Discipline and educational rules:

- ١- . Non-participation in the exam is equal to 0

Mid exam date 1404/8/15 Final exam date: education office schedule

Row	date	Time	Topic	Professor	References	Chapter	Pages
1	1404/6/29		Introduction to anatomy – terminology - ‘vertebral column	Dr rahmani	Snell		
2	1404/7/5		Clavicle-scapula-humerus ‘ x-ray radiology - Pathoanatomical important points	Dr rahmani	Snell		
3	1404/7/12		Radius – ulna-wrist –hand bones ‘ upper limb joints and lig - radiology – Patho-anatomical important points	Dr rahmani	Snell		
4	1404/7/19		Proximal muscles (scapular,deltoid,pectoral) Patho-anatomical important points-review of Arteries and viens	Dr rahmani	Snell		
5	1404/7/26		Axillary fossa contents(a.v & lymph nodes )-review of spinal nerves- prachial plexus	Dr rahmani	Snell		
6	1404/8/3		Arm contents(A,V,N, M)- Patho-anatomical important points	Dr rahmani	Snell		
7	1404/8/10		A,V,N, M Content Forearm Hand contents (A,V,N,M) Hand fascia and space Patho-anatomical important points	Dr rahmani	Snell		

<b>8</b>			Midterm exam	Dr rahmani	Snell		
<b>9</b>	1404/8/17		Hip, femur, tibia patella - radiology – Patho-anatomical important points	Dr rahmani	Snell		
<b>10</b>	1404/8/24		Fibula- ankle and foot bones radiology - Patho-anatomical important points	Dr rahmani	Snell		
<b>11</b>	1404/9/1		Lower limb joints and lig Patho-anatomical important points	Dr rahmani	Snell		
<b>12</b>	1404/9/8		Thigh compartment content (fascia ,muscles)	Dr rahmani	Snell		
<b>13</b>	1404/9/15		Femoral A,V –gluteal A,V – lumbar, sacral plexus and branches	Dr rahmani	Snell		
<b>14</b>	1404/9/22		Leg compartment (m,A,V.N) – anatomy of popliteal fossa (content)	Dr rahmani	Snell		
<b>15</b>	1404/9/29		Foot anatomr (fascia- muscles- A,N,V)	Dr rahmani	Snell		
<b>16</b>	1404/10/6		Embryology of musculoskeletal m	Dr anjom shoa	Snell		