



## Course Syllabus

1	Course title	Anatomy of the head, neck and thorax for rehabilitation students	
2	Course number	0502107	
3	Credit hours	3 (2 theory, 1 practical)	
	Contact hours (theory, practical)	Theory: 2 Practical: 2	
4	Prerequisites/corequisites		
5	Program title	Bsc.	
6	Program code		
7	Awarding institution	The University Of Jordan	
8	School	School of Medicine	
9	Department	Department of Anatomy and Histology	
10	Course level	2nd year	
11	Year of study and semester (s)	2022/2023 summer semester and first semesters	
12	Other department (s) involved in teaching the course	None	
13	Main teaching language	English	
14	Delivery method	<input type="checkbox"/> Face to face learning <input checked="" 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	4/7/2023	

### 17 Course Coordinator:

Name: Rima Altaweel

Contact hours: Arranged by prior appointment through email

Email: R\_ALTAWHEEL@ju.edu.jo



**18 Other instructors:**

Name: **Dr. Hamam Allaham**

Email:

Contact hours: **Arranged by prior appointment through email**

**19 Course Description:**

- The course is designed to provide students with clear and detailed concepts of general anatomy.
- General overview of the Thorax, Head, Neck, and Neuroanatomy is covered in this course.



مركز الاعتماد وضمان الجودة 20 Course aims and outcomes:

A- Aims:

The objectives of this course include teaching the students regional and applied anatomy of the head, neck, and thorax. Also, the course enables the students to acquire knowledge in neuroanatomy.

B- Students Learning Outcomes (SLOs):

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

SLOs SLOs of the course	SLO (1)	SLO (2)	SLO (3)	SLO (4)
1- Interpret the normal anatomical structures and their relations				
2- Correlate anatomical facts with the manifestation of various diseases				
3- Have general knowledge in regional anatomy of the head, neck, and thorax, as well as neuroanatomy				
4				
5				
6				

## 21. Topic Outline and Schedule:

Week	Lecture	Topic	Student Learning Outcome	Evaluation Methods	Resources
1	1.1	General introduction in anatomy	<ul style="list-style-type: none"> <li>• Define anatomical position, planes, and directional terms.</li> <li>• identify anatomical terminology.</li> </ul>	<ul style="list-style-type: none"> <li>• Continues assessment during lectures and quizzes</li> <li>• Midterm exam (40 marks)</li> <li>• Final exam (60 marks: 40 marks Theoretical exam + 20 marks Practical exam)</li> </ul>	<p>Lecture PPT or PDF &amp; video uploaded on elearning. Supportive video links.</p> <p>Books:</p> <ul style="list-style-type: none"> <li>- Snell Anatomy by Regions</li> <li>- Gray's anatomy for student,</li> <li>- Clinical Neuroanatomy for Medical Students, by Snell and</li> <li>- Thieme atlas of anatomy-head and neck and neuroanatomy</li> </ul>
	1.2	Thoracic wall and thoracic cavity	<ul style="list-style-type: none"> <li>•Identify the anatomical orientation, structure and surface anatomy of the thoracic wall</li> <li>•Identify the bones form the thoracic cage</li> <li>•Understand the general arrangement of the thoracic viscera and their relationship to one another and to the chest wall.</li> </ul>		
	1.3	Mediastinum & Large vessels	<ul style="list-style-type: none"> <li>•Identify the boundaries and subdivisions and contents of mediastinum.</li> </ul>		
	1.4	Diaphragm and other muscles of respiration	<ul style="list-style-type: none"> <li>•identify the muscles that assist in respiration</li> <li>•identify the mechanism of respiration</li> </ul>		
2	2.1	lungs	<ul style="list-style-type: none"> <li>•Describe the arrangement of the pleura relative to the lungs and their nerve supply</li> <li>•Define a broncho-pulmonary segment</li> </ul>		

			and discuss its general organization.		
	2.2	heart	<ul style="list-style-type: none"> <li>Describe the basic design of the cardiovascular system and the function of the heart.</li> </ul>		
	2.3	Skull	<ul style="list-style-type: none"> <li>Locate the bones of the cranium and the face and the sutures connecting them.</li> <li>Identify the location, surface features and major foramina of each cranial and facial bone.</li> </ul>		
	2.4	Skull fossae	<ul style="list-style-type: none"> <li>Identify the location, surface features and major foramina of each cranial and facial bone.</li> </ul>		
3	3.1	scalp, face, muscles of mastication	<ul style="list-style-type: none"> <li>Identify muscles of facial expressions, mastication, oral and nasal cavities and muscles of the eye. (understanding their anatomical site, action and nerve supply)</li> <li>Identify the muscular component of the neck.</li> <li>Identify the muscle of mastication</li> </ul>		
	3.2	Neck (bones and triangles of the neck)	<ul style="list-style-type: none"> <li>Identify the bones in the cervical region</li> <li>describe the anterior and posterior triangles in the neck and its divisions and components</li> </ul>		
	3.3	Muscles of the	<ul style="list-style-type: none"> <li>Identify the muscles</li> </ul>		

		neck	in the cervical region		
	3.4	Main blood vessels in the neck	<ul style="list-style-type: none"> <li>• Follow the course of the major blood vessels existed in the cervical region</li> </ul>		
4	4.1	Main nerves in the neck	<ul style="list-style-type: none"> <li>• Follow the course of the major nerves existed in the cervical region</li> </ul>		
	4.2	oral cavity palate	<ul style="list-style-type: none"> <li>• Describe the structure, function and boundaries of the oral cavity.</li> <li>• Describe the anatomy of the palates, salivary glands and tonsils</li> <li>• Define the blood and nerve supply of the mouth and palate.</li> </ul>		
	4.3	Pharynx & larynx	<ul style="list-style-type: none"> <li>• Summarize the anatomy of the pharynx (structure, function, location and neurovascular supply)</li> <li>• Describe the larynx citing its framework, function and relation to the anatomy thyroid gland</li> </ul>		
	4.4	Nasal cavity & sinuses	<ul style="list-style-type: none"> <li>• Describe the gross structure and functions of the nose.</li> <li>• Identify the nasal sinuses</li> </ul>		



	6.3	Brodmann areas	<ul style="list-style-type: none"> <li>•Identify the primary motor, sensory, visual and auditory areas in the brain</li> </ul>		
	6.4	Basal ganglia and thalamus	<ul style="list-style-type: none"> <li>•Identify the structure and functions of the thalamus and basal ganglia</li> <li>•Identify clinical cases related to the thalamus and basal ganglia</li> </ul>		
7	7.1	Brain stem & cerebellum	<ul style="list-style-type: none"> <li>•Identify parts of the brainstem defining general external and histological features for each the parts.</li> <li>•Identify and describe the parts of the cerebellum</li> </ul>		
	7.2	Spinal cord & nerves	<ul style="list-style-type: none"> <li>•Describe the external and internal anatomy of the spinal cord, its function, coverings, emerging plexuses.</li> </ul>		
	7.3	Cranial nerves	<ul style="list-style-type: none"> <li>•Identify the cranial nerves by their name , number and function.</li> </ul>		
	7.4	Clinical cases related to cranial nerves	<ul style="list-style-type: none"> <li>•Idefine the major clinical manifestations of each cranial nerve injury</li> </ul>		
8	8.1	Final exam week			
	8.2				
	8.3				





## 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	40				
Final exam	60				
Attendance & participation					
Quizzes					

## 23 Course Requirements

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

students should have a computer, internet connection, Teams, Moodle, Word, Video maker software

## 24 Course Policies:

A- Attendance policies:

Students are expected to attend all class sessions as listed on the course calendar. Students are not allowed to be absent for more than 15% of the credit hours of the course. All students are required to wear a lab coat during the laboratory session.

B- Absences from exams and submitting assignments on time:

Make-up appeals are considered only for students who provide documentation of a compelling reason for missing the exam.

C- Health and safety procedures:

College Members and students must at all times, conform to Health and Safety rules and procedures. Particular to the situation of Covid-19 pandemic, students are required to wear masks and gloves inside labs.

D- Honesty policy regarding cheating, plagiarism, misbehavior:

As a student in this course (and at this university) you are expected to maintain high degrees of



**professionalism, commitment to active learning and participation in this class and also integrity in your behavior in and out of the classroom. Students violate this policy would be subjected to disciplinary action according to University of Jordan disciplinary policies**

E- Grading policy:

**Grade-point average according to grading policy at University of Jordan**

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

- **Internet database at the University of Jordan**
- **The University of Jordan library**

### 25 References:

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


- **Snell Anatomy by Regions**
- **Gray's anatomy for student**
- **Clinical Neuroanatomy for Medical Students, by Snell**
- **Thieme atlas of anatomy-head and neck and neuroanatomy**

B- Recommended books, materials, and media:

- Computer
- Textbooks
- Cadavers (Flesh & Plastinated)
- Human models

### 26 Additional information:



Name of Course Coordinator: -----	Signature: -----	Date: -----
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Head of Curriculum Committee/Department: -----	Signature: -----	
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Head of Department: -----	Signature: -----	
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Head of Curriculum Committee/Faculty: -----	Signature: -----	
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Dean: -----	Signature: -----	

