

**UNIVERSITY of KYRENIA , FACULTY of MEDICINE**  
**2022-2023 EDUCATIONAL YEAR**  
**YEAR I**  
**FROM CELL TO TISSUE COMMITTEE**  
**(APRIL 17– MAY 26, 2023)**

<b>COURSES</b>	<b>THEORETICAL (hours)</b>	<b>PRACTICAL (hours)</b>	<b>TOTAL (hours)</b>
ANATOMY	28	20x2	68
HISTOLOGY AND EMBRYOLOGY	16	14x2	44
PHYSIOLOGY	12	8x2	28
<b>TOTAL</b>	<b>56</b>	<b>84</b>	<b>140</b>

Dean	Prof. Dr. Rüveyde BUNDAK
Vice Dean	Prof. Dr. Candan ÖZOĞUL
Coordinator	

**Aim:**

*At the end of 30 working days, it is aimed that the students of Term I define the subjects of bone, epithelium, ligament and joint types, movements in the joints, identification of nerve tissue, determination of their morphological importance, and demonstration of biochemical properties.*

**LEARNING OBJECTIVES**

*1-Comprehending general information about the bones and joints in our body, being able to tell the locations, types and functions of bones, and evaluating their relationship with clinical situations.*

*2-To be able to tell the types and components of cover and gland epithelium, cartilage and bone tissue, from which germ leaf it develops and its features*

*3-To be able to define organic and inorganic matrix of bone tissue*

*4-I can explain the electrical properties and electrical equivalent models of membrane and cell.*

*5- Evaluating the reason and necessity of biological potential difference, calculating cell potential with different models and finding ion currents.*

*6- To be able to explain the physical properties of sound and ultrasound generation, and the importance of piezoelectric effect in ultrasound generation.*

*7- To be able to tell the areas where ultrasound is used in medicine and its purposes*

*8- To be able to talk about piezoelectric structures in tissue, to explain invasive and non-invasive techniques in the healing of bone fractures with bone electric current.*

*9- To be able to count the fluid compartments and content differences in the body*

*10- To be able to enumerate and interpret the transport mechanisms in the cell membrane.*

*11 -To be able to explain the importance of osmosis and osmotic pressure in the organism.*

*12- To be able to tell the signal transmission pathways in the control of cells with chemical messengers.*

*13- To be able to explain the basic properties of membrane potentials and action potentials.*

**Skill:**

*14- To be able to distinguish and show cranium, cavitas cranii, neurocranium and viscerocranium bones*

*15- Being able to show the places and ligaments of the joints in the body*

*16- Ability to access information, learn by oneself, think analytically and work as a team.*

*17- To be able to distinguish the types of cover and gland epithelium under the microscope*

*18 -Ability to measure accurately using laboratory materials*

**Attitude:**

*19- Being aware of the importance of using cadavers and the responsibility of behaving in a way that does not harm the cadaver and tissues.*

*20- Being aware of the importance of group work and cooperation in practical applications*

*More about this source textSource text required for additional translation information*

*Send feedback*

*Side panels*

1 <sup>st</sup> week	17.04.2023 MONDAY	18.04.2023 TUESDAY	19.04.2023 WEDNESDAY	20.04.2023 THURSDAY	21.04.2023 FRIDAY
08:30-09:15	FREE STUDY TIME	Introduction to Physiology, milieu interieur, and homeostasis	Overview of epithelial structure and surface epithelium	Vertebral columnne, thoracic wall skeletal framework: sternum, ribs	FREE STUDYTIME
09:30-10:15	<b>Questions Analysis of 3<sup>rd</sup> Committee Exam and Feedback</b>	Body fluid compartments and properties	Overview of epithelial structure and surface epithelium	Vertebral columnne, thoracic wall skeletal framework: sternum, ribs	
10:30-11:15	Introduction to human anatomy	Anatomicomedical terminology	Introduction and general knowledge about the joints	Glands epithelium	
11:30-12:15	Overview of epithelial structure and surface epithelium	Anatomicomedical terminology	Introduction and general knowledge about the joints	Glands epithelium	
13:30-14:15	<b>First Year Coordinator's Feedback Meeting</b>	Introduction and general knowledge about the bones	FREE STUDY TIME	Thoracic wall and vertebrae joints	LAB ANATOMY – I (Face to face)
14:30-15:15	FREE STUDY TIME	FREE STUDY TIME		FREE STUDY TIME	
15:30-16:15	FREE STUDY TIME	FREE STUDY TIME		FREE STUDY TIME	
16:30-17:15	ELECTIVE COURSE (Online)			5i - ATATURK'S PRINCIPLES AND HISTORY OF TURKISH REVOLUTION (Online)	

2 <sup>nd</sup> week	24.04.2023 MONDAY	25.04.2023 TUESDAY	26.04.2023 WEDNESDAY	27.04.2023 THURSDAY	28.04.2023 FRIDAY
08:30-09:15	Signal transmission in the cell	Neurocranium	Connective tissue	LAB HISTOLOGY AND EMBRYOLOGY -I (Online)	CSE – 6
09:30-10:15	Signal transmission in the cell	Neurocranium	Connective tissue		
10:30-11:15	Neurocranium	Transport of substances through the cell membrane	Cranium and various aspects, temporomandibular joint		
11:30-12:15	Neurocranium	Transport of substances through the cell membrane	Cranium and various aspects, temporomandibular joint		
13:30-14:15	FREE STUDY TIME	Viscerocranium	LAB ANATOMY – 2 (Face to face)	FREE STUDY TIME	LAB PHYSIOLOGY-I (Online)
14:30-15:15	FREE STUDY TIME	Viscerocranium		FREE STUDY TIME	
15:30-16:15	FREE STUDY TIME	FREE STUDY TIME		FREE STUDY TIME	
16:30-17:15		FREE STUDY TIME		(	

3th week	01.05.2023 MONDAY	02.05.2023 TUESDAY	03.05.2023 WEDNESDAY	04.05.2023 THURSDAY	05.05.2023 FRIDAY
08:30-09:15	HOLIDAY	LAB HISTOLOGY AND EMBRYOLOGY - 2 (Online)	Bones of the shoulder girdle	LAB ANATOMY – 4 (Face to face)	FREE STUDY TIME
09:30-10:15	HOLIDAY		Upper limb bones		Molecular regulation of extracellular – cell communication
10:30-11:15	HOLIDAY		Connective tissue		
11:30-12:15	HOLIDAY		Connective tissue		
13:30-14:15	HOLIDAY	Clinical and radiological anatomy	LAB ANATOMY – 3 (Face to face)	LAB HISTOLOGY AND EMBRYOLOGY -3 (Online)	FREE STUDY TIME
14:30-15:15	HOLIDAY	Clinical and radiological anatomy			FREE STUDY TIME
15:30-16:15	HOLIDAY	FREE STUDY TIME			FREE STUDY TIME
16:30-17:15	HOLIDAY				(

4 <sup>th</sup> week	08.05.2023 MONDAY	09.05.2023 TUESDAY	10.05.2023 WEDNESDAY	11.05.2023 THURSDAY	12.05.2023 FRIDAY
08:30-09:15	Philosophy of Science	<b>PHASE 3</b> <b>5. COMMITTEE EXAM</b> <b>LAB HISTOLOGY AND EMBRYOLOGY -4</b> <b>(Online)</b>	<b>LAB ANATOMY – 6</b> <b>(Face to face)</b>	<b>LAB PHYSIOLOGY-2</b> <b>(Online)</b>	<b>LAB ANATOMY – 7</b> <b>(Face to face)</b>
09:30-10:15	Philosophy of Science				
10:30-11:15	Transport of substances through the capillaries				
11:30-12:15	Transport of substances through the capillaries				
13:30-14:15	<b>LAB ANATOMY – 5</b> <b>(Face to face)</b>	FREE STUDY TIME	Cartilage	<b>Professionalism in Medicine</b>	Lower limb bones
14:30-15:15	<b>LAB ANATOMY – 5</b> <b>(Face to face)</b>	FREE STUDY TIME	Cartilage	<b>Professionalism in Medicine</b>	FREE STUDY TIME
15:30-16:15	<b>LAB ANATOMY – 5</b> <b>(Face to face)</b>	FREE STUDY TIME	Upper limb joint	Bioelectrical potential	FREE STUDY TIME
16:30-17:15	<b>LAB ANATOMY – 5</b> <b>(Face to face)</b>	FREE STUDY TIME	Bony pelvis	Bioelectrical potential	FREE STUDY TIME

5 <sup>th</sup> week	15.05.2023 MONDAY	16.05.2023 TUESDAY	17.05.2023 WEDNESDAY	18.05.2023 THURSDAY	19.05.2023 FRIDAY
08:30-09:15	FREE STUDY TIME	LAB ANATOMY – 8 (Face to face)	LAB ANATOMY – 9 (Face to face)	LAB HISTOLOGY AND EMBRYOLOGY -5 (Online)	<b>HOLIDAY</b>
09:30-10:15	FREE STUDY TIME				
10:30-11:15	Bone				
11:30-12:15	Bone				
13:30-14:15	Lower limb joint	Ossification and bone formation	LAB ANATOMY – 10 (Face to face)	LAB HISTOLOGY AND EMBRYOLOGY -6 (Online)	<b>HOLIDAY</b>
14:30-15:15	Lower limb joint	FREE STUDY TIME			<b>HOLIDAY</b>
15:30-16:15	FREE STUDY TIME	FREE STUDY TIME			<b>HOLIDAY</b>
16:30-17:15	FREE STUDY TIME	FREE STUDY TIME			<b>HOLIDAY</b>

6 <sup>th</sup> week	22.05.2023 MONDAY	23.05.2023 TUESDAY	24.05.2023 WEDNESDAY	25.05.2023 THURSDAY	26.05.2023 FRIDAY
08:30- 09:15	Bioelectrical potential	HISTOLOGY AND EMBRYOLOGY - 7	Practical Examinations	Practical Examinations	THEORETICAL EXAMINATION
09:30- 10:15	Bioelectrical potential	HISTOLOGY AND EMBRYOLOGY - 7	Practical Examinations		
10:30- 11:15	Clinical anatomy	HISTOLOGY AND EMBRYOLOGY - 7	Practical Examinations		
11:30- 12:15	Clinical anatomy	HISTOLOGY AND EMBRYOLOGY - 7	Practical Examinations		
13:30- 14:15	Articulation	FREE STUDY TIME	Practical Examinations	Practical Examinations	
14:30- 15:15	FREE STUDY TIME	FREE STUDY TIME	Practical Examinations	Practical Examinations	
15:30- 16:15	FREE STUDY TIME	FREE STUDY TIME	Practical Examinations	Practical Examinations	
16:30- 17:15	FREE STUDY TIME	FREE STUDY TIME	Practical Examinations	Practical Examinations	



