

KYRENIA UNIVERSITY FACULTY OF MEDICINE
2023-2024
PHASE I
FROM CELL TO TISSUE COMMITTEE
(18 MARCH –03 MAY 2024)

COURSES	THEORETICAL	PRACTICAL	TOTAL
ANATOMY	28	8x2	44
HISTOLOGY ANDEMBRYOLO GY	15	6x2	27
PHYSIOLOGY	12	2x2	16
BIOPHYSICS	12	-	12
TOTAL	67	32	99
ELECTIVE COURSES			
Health Tourism	1	-	1
Organisational Behavior	1	-	1
Community Service	1	-	1
GENERAL TOTAL	70	32	103

Dean	Prof. Dr. Rveyde BUNDAK
Vice Dean	Prof. Dr. Candan ZOĐUL
Coordinator	Dr. Handi Sourg

ANATOMY		HISTOLOGY AND EMBRYOLOGY	PHYSIOLOGY	BIOPHYSIC
Prof. Dr. Nurettin OĐuz	Prof. Dr. Mehmet Alp Dirik	Prof. Dr. Candan zoĐul	Prof. Dr. Deniz ErbaŐ	Prof. Dr. Ferit Pehlivan
Prof. Dr. Muzaffer Sindel	Dr. Sahahnaz Sabetkam	Prof. Dr. Bekir UĐur Ergr	Prof. Dr. Cem Őeref Bediz	
ArŐ. Gr. İskender Yılmaz		Prof. Dr. Gven Erbil	Prof. Dr. Orhan Denli	
			Yrd. DoĐ. Dr.Hanadi Sourg	

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, cavitascranii, 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

1 st week	03.18.2024 MONDAY	03.19.2024 TUESDAY	03.20.2024 WEDNESDAY	03.21.2024 THURSDAY	03.22.2024 FRIDAY
08:30-09:15	Introduction to Physiology, milieu interieur, and homeostasis Dr. Erbaş	FREE STUDYTIME	FREE STUDYTIME	FREE STUDYTIME	FREE STUDYTIME
09:30-10:15	Body fluid compartments and properties Dr. Erbaş	FREE STUDYTIME	FREE STUDYTIME	Structure and physical properties of the cell membrane Dr. Pehlivan (Online)	Vertebral columnne, thoracic wallskeletalframework :sternum, ribs Dr. Sabetkam
10:30-11:15	Introduction to human anatomy Dr. Sabetkam	Medical terminology Dr. Sabetkam	Introduction and General knowledge About the joints Dr. Sabetkam	Diffusion, permeability and osmosis in cell membrane Dr. Pehlivan (Online)	Vertebral columnne, thoracic wallskeletalframework :sternum, ribs Dr. Sabetkam
11:30-12:15	Anatomico medical terminology Dr. Sabetkam	Introduction and general knowledge about the bones Dr. Sabetkam	Introduction and general knowledge about the joints Dr. Sabetkam	Quantitative discussion of passive transitions through the membrane, Nernst equation Dr. Pehlivan (Online)	Thoracic wall and vertebrae joints Dr. Sabetkam
13:30-14:15	Transport of substances through the cell membrane Dr. Bediz	Overview of epithelial structure and surface epithelium Dr. Ergür	(ELM 102) Organisational Behavior Dr. Olesile Babatunde Adedoyin	FREE STUDYTIME	Bones of the shoulder girdle Dr. Sabetkam
14:30-15:15	Transport of substances through the cell membrane Dr. Bediz	Overview of epithelial structure and surface epithelium Dr. Ergür	(ELM 104) Community Service Dr. Olesile Babatunde Adedoyin	FREE STUDYTIME	FREE STUDYTIME
15:30-16:15	FREE STUDYTIME	Overview of epithelial structure and surface epithelium Dr. Ergür	(ELM 106) Health Tourism Dr. Olesile Babatunde Adedoyin	FREE STUDYTIME	FREE STUDYTIME
16:30-17:15	FREE STUDYTIME	FREE STUDYTIME	FREE STUDYTIME	FREE STUDYTIME	FREE STUDYTIME

2 nd week	03.25.2024 MONDAY	03.26.2024 TUESDAY	03.27.2024 WEDNESDAY	03.28.2024 THURSDAY	03.29.2024 FRIDAY
08:30-09:15	Upper limb bones Dr. Sabetkam	Glands epithelium DrOzogul	Signal Transmission in the Cell Dr. Erbaş	LAB ANATOMY 1-2	
09:30-10:15	Upper limb bones Dr. Sabetkam	Glands epithelium DrOzogul	Signal Transmission in the Cell Dr. Erbaş		Connective tissue Dr. Erbil
10:30-11:15	Upper limb Joints Dr. Sabetkam	Bony pelvis Dr. Sabetkam	Lower limb Joints Dr. Sabetkam		Connective tissue Dr. Erbil
11:30-12:15	Upper limb Joints Dr. Sabetkam	Lower limb Bones Dr. Sabetkam	Lower limb Joints Dr. Sabetkam		Connective tissue Dr. Erbil
13:30-14:15	Substance Conduction in capillary Dr Bediz	LAB HISTOLOGY-1	ELM 102) Organisational Behavior Dr. OlesileBabatundeAdedoy in		LAB ANATOMY-3
14:30-15:15	Substance Conduction in capillary Dr Bediz		(ELM 104) Community Service Dr. OlesileBabatundeAdedoy in		
15:30-16:15	FREE STUDYTIME		(ELM 106) Health Tourism Dr. OlesileBabatundeAdedoy in		
16:30-17:15	FREE STUDYTIME		FREE STUDYTIME		

th week	04.01.2024 MONDAY	04.02.2024 TUESDAY	04.03.2024 WEDNESDAY	04.04.2024 THURSDAY	04.05.2024 FRIDAY
08:30-09:15	LAB PHYSIOLOGY 1	Cell membrane equivalent circuit Dr. Pehlivan (Online)	FREE STUDYTIME	FREE STUDYTIME	FREE STUDYTIME
09:30-10:15		Active transitions through the membrane, steady state Dr. Pehlivan (Online)	Neurocranium Dr. Sabetkam	Basic concepts of action potential generation and propagation Dr. Pehlivan (Face to face)	FREE STUDYTIME
10:30-11:15		Goldman-Hodgkin-Katz equation and resting membrane potential Dr. Pehlivan (Online)	Viscerocranium Dr. Sabetkam	Local potentials, Passive membrane model and cable theory Dr. Pehlivan (Face to face)	Cranium and various aspects, temporomandibular joint Dr. Sabetkam
11:30-12:15		FREE STUDYTIME	Viscerocranium Dr. Sabetkam	Active membrane conductivity, voltage clamping technique Dr. Pehlivan (Face to face)	Cranium and various aspects, temporomandibular joint Dr. Sabetkam
13:30-14:15		Neurocranium Dr. Sabetkam	ELM 102 Organisational Behavior Dr. Olesile Babatunde Adedoyin	LAB ANATOMY-4	LAB ANATOMY-5
14:30-15:15		Neurocranium Dr. Sabetkam	ELM 104 Community Service Dr. Olesile Babatunde Adedoyin		
15:30-16:15			ELM 106 Health Tourism Dr. Olesile Babatunde Adedoyin		
16:30-17:15			FREE STUDYTIME		

4 th week	04.08.2024 MONDAY	04.09.2024 TUESDAY	04.10.2024 WEDNESDAY	04.11.2024 THURSDAY	04.12.2024 FRIDAY
08:30-09:15	Bioelectrical potential Dr. Sourg	FREE STUDYTIME	CELEBRATE	CELEBRATE	CELEBRATE
09:30-10:15	Bioelectrical potential Dr. Sourg	FREE STUDYTIME	CELEBRATE	CELEBRATE	CELEBRATE
10:30-11:15	Bioelectrical potential Dr. Sourg	FREE STUDYTIME	CELEBRATE	CELEBRATE	CELEBRATE
11:30-12:15	Bioelectrical potential Dr. Sourg	FREE STUDYTIME	CELEBRATE	CELEBRATE	CELEBRATE
13:30-14:15	FREE STUDYTIME	CELEBRATE	CELEBRATE	CELEBRATE	CELEBRATE
14:30-15:15	FREE STUDYTIME	CELEBRATE	CELEBRATE	CELEBRATE	CELEBRATE
15:30-16:15	FREE STUDYTIME	CELEBRATE	CELEBRATE	CELEBRATE	CELEBRATE
16:30-17:15	FREE STUDYTIME	CELEBRATE	CELEBRATE	CELEBRATE	CELEBRATE

5 th week	04.15.2024 MONDAY	04.16.2024 TUESDAY	04.17.2024 WEDNESDAY	04.18.2024 THURSDAY	04.19.2024 FRIDAY
08:30-09:15	FREE STUDYTIME	FREE STUDYTIME	FREE STUDYTIME		LAB HISTOLOGY
09:30-10:15	Molecular regulation of extracellular – cell communication Dr. Ozogul	Bone Tissue Dr. Erbil	FREE STUDYTIME		3
10:30-11:15	Cartilage Tissue Dr. Ozogul	Bone Tissue Dr. Erbil	Ossification and bone formation Dr. Ergür		
11:30-12:15	Cartilage Tissue Dr. Ozogul		Joint Histology Dr. Ergür	LAB ANATOMY 6-7	
13:30-14:15			ELM 102 Organisational Behavior Dr. OlesileBabatundeAdedoy n		LAB HISTOLOGY
14:30-15:15	LAB	LAB HISTOLOGY	ELM 104 Community Service Dr. OlesileBabatundeAdedo yin		4
15:30-16:15	PHYSIOLOGY 2	2	ELM 106 Health Tourism Dr. OlesileBabatundeAdedo yin		
16:30-17:15			FREE STUDYTIME		

6 th week	04.22.2024 MONDAY	04.23.2024 TUESDAY	04.24.2024 WEDNESDAY	04.25.2024 THURSDAY	04.26.2024 FRIDAY
08:30-09:15	FREE STUDYTIME	CELEBRATE	Clinical anatomy Dr. Sabetkam		
09:30-10:15	Action potential propagation, factors affecting conduction rate, ion channels Dr. Pehlivan (Face to face)	CELEBRATE	Clinical anatomy Dr. Sabetkam	LAB	
10:30-11:15	Patch clamp technique, voltage gated channels Dr. Pehlivan (Face to face)	CELEBRATE	Radiologic Anatomy Dr. Dirik	HISTOLOGY 5	
11:30-12:15	Ligand gated channels, water passage channels Dr. Pehlivan (Face to face)	CELEBRATE	Radiologic Anatomy Dr. Dirik		LAB ANATOMY 9-10
13:30-14:15	LAB ANATOMY 8	CELEBRATE	ELM 102 ORGANISATIONAL BEHAVIOR Dr. Olesile Babatunde Adedoyin	LAB HISTOLOGY 6	
14:30-15:15		CELEBRATE	ELM 104 COMMUNITY SERVICE Dr. Olesile Babatunde Adedoyin		
15:30-16:15		CELEBRATE	ELM 106 HEALTH TOURISM Dr. Olesile Babatunde Adedoyin		
16:30-17:15		CELEBRATE	FREE STUDYTIME		

7 th week	04.29.2024 MONDAY	04.30.2024 TUESDAY	05.01.2024 WEDNESDAY	05.02.2024 THURSDAY	05.03.2024 FRIDAY
08:30-09:15	Practical Examinations	Practical Examinations	CELEBRATE	Practical Examinations	THEORETICAL EXAMINATIONS
09:30-10:15	Practical Examinations	Practical Examinations	CELEBRATE	Practical Examinations	THEORETICAL EXAMINATIONS
10:30-11:15	Practical Examinations	Practical Examinations	CELEBRATE	Practical Examinations	THEORETICAL EXAMINATIONS
11:30-12:15	Practical Examinations	Practical Examinations	CELEBRATE	Practical Examinations	THEORETICAL EXAMINATIONS
13:30-14:15	Practical Examinations	Practical Examinations	CELEBRATE	Practical Examinations	THEORETICAL EXAMINATIONS
14:30-15:15	Practical Examinations	Practical Examinations	CELEBRATE	Practical Examinations	THEORETICAL EXAMINATIONS
15:30-16:15	Practical Examinations	Practical Examinations	CELEBRATE	Practical Examinations	THEORETICAL EXAMINATIONS
16:30-17:15	Practical Examinations	Practical Examinations	CELEBRATE	Practical Examinations	THEORETICAL EXAMINATIONS