

GAZİ UNIVERSITY MEDICAL FACULTY

PHASE I – TISSUE BIOLOGY COMMITTEE I

(22 FEBRUARY 2023 – 7 APRIL 2023)

COURSES	THEORETICAL	PRACTICAL	TOTAL
ANATOMY	28	10x4	38
HISTOLOGY AND EMBRYOLOGY	16	14x2	30
PHYSIOLOGY	12	4x4	16
BIOPHYSICS	10	-	10
TOTAL	66	28	94
INTRODUCTION TO CLINICAL PRACTICE			
CLINICAL SKILLS EDUCATION	-	4x2	4
PROBLEM BASED LEARNING	-	12	12
ELECTIVE COURSE	12	-	12
TOTAL	78	46	124

OBLIGATORY COURSES

Ataturk's Principles and History of His Revolutions	12
Turkish Language	12
Medical English	12

* Community Based Medical Education (CBME) trainings will be performed with the academic advisors parallel to the ongoing program as one hour per week.

Dean	Prof. Dr. Mustafa Necmi İLHAN
Vice Dean	Prof. Dr. İlyas OKUR
Vice Dean	Prof. Dr. Özlem GÜZEL TUNÇCAN
Head Coordinator	Prof. Dr. Çiğdem ÖZER
Assistant Head Coordinator	Prof. Dr. Mehmet Ali ERGÜN
Assistant Head Coordinator	Prof. Dr. Akif Muhtar ÖZTÜRK
Phase I Coordinator	Prof. Dr. Atiye Seda YAR SAĞLAM
Assistant Phase I Coordinator	Asst. Prof. Dr. Ayşe Meltem SEVGİLİ
Assistant Phase I Coordinator	Asst. Prof. Dr. Kerem ATALAR
Assistant Phase I Coordinator	Asst. Prof. Dr. Duygu DAYANIR
Assistant Phase I Coordinator	Asst. Prof. Dr. Melek YAMAN

MEMBERS OF COMMITTEE

ANATOMY	PHYSIOLOGY	HISTOLOGY AND EMBRYOLOGY
Dr. Meltem BAHÇELİOĞLU	Dr. Ayşe Meltem SEVGİLİ	Dr. Zeynep YIĞMAN
Dr. Kerem ATALAR	Dr. Pelin TÜRKKAN	Dr. Duygu DAYANIR
Anatomy Laboratory	Physiology Laboratory	Histology And Embryology Laboratory
Dr. Meltem BAHÇELİOĞLU	Dr. Ayşe Meltem SEVGİLİ	Dr. Çiğdem ELMAS
Dr. Kerem ATALAR	Dr. Pelin TÜRKKAN	Dr. Gülnur TAKE KAPLANOĞLU
Dr. Ayşe SOYLU		Dr. Cemile Merve SEYMEN
		Dr. Zeynep YIĞMAN
		Dr. Duygu DAYANIR
		Dr. Esra ÖZKOÇER
BIOPHYSICS		
Dr. Meriç Arda EŞMEKAYA		

CLINICAL SKILLS EDUCATION COORDINATOR	Prof. Dr. Melda AYBAR TÜRKOĞLU
ELECTIVE COURSE COORDINATOR	Assoc. Prof. Dr. Ergin DİLEKÖZ
PROBLEM BASED LEARNING COORDINATOR	Assoc. Prof. Dr. Özlem COŞKUN

AMAÇ:

Dönem I öğrencilerinin 30 iş günü sonunda, kemik, epitel, bağ ve eklem tipleri, eklemlerde yapılan hareketler, sinir dokusunun tanımlanması, morfolojik önemlerinin belirlenmesi, biyokimyasal özelliklerinin gösterilmesi konularını tanımlamaları amaçlanmıştır.

ÖĞRENİM HEDEFLERİ

ÖH-100-4-1	Vücudumuzdaki kemikler ve eklemler hakkında genel bilgiyi kavrayarak, kemiklerin yerleri, tipleri ve işlevlerini söyleyebilme, klinik durumlarla ilişkisini değerlendirebilme
ÖH-100-4-2	Örtü ve bez epitelinin, kırıkta ve kemik dokunun tiplerini, bileşenlerini, hangi germ yaprağından geliştiğini, özelliklerini söyleyebilme
ÖH-100-4-3	Kemik dokunun organik ve inorganik matriksini tanımlayabilme
ÖH-100-4-4	Membran ve hücrenin elektrik özelliklerini ve elektrik eşdeğer modellerini açıklayabilme
ÖH-100-4-5	Biyolojik potansiyel farkın nedenini ve gerekliliğini değerlendirip, hücre potansiyelini farklı modellerle ile hesaplayıp, iyon akımlarının bulabilme
ÖH-100-4-6	Sesin fiziksel özelliklerini ve ultrases oluşumunu, piezoelektrik olayının ultrases oluşumundaki önemini açıklayabilme
ÖH-100-4-7	Ultrasonun tıpta kullanıldığı alanları ve amaçlarını söyleyebilme
ÖH-100-4-8	Dokuda piezoelektrik yapılardan bahsedebilme, kemik elektrik akımı ile kemik kırıklarının iyileştirilmesinde invaziv ve non-invaziv teknikleri açıklayabilme
ÖH-100-4-9	Vücuttaki sıvı bölmelerini ve içerik farklarını sayabilme
ÖH-100-4-10	Hücre zarındaki taşınma mekanizmalarını sayabilme ve yorumlayabilme
ÖH-100-4-11	Osmoz, ozmotik basıncın organizmadaki önemini açıklayabilme
ÖH-100-4-12	Hücrelerin kimyasal habercilerle kontrolünde sinyal iletim yollarını söyleyebilme
ÖH-100-4-13	Membran potansiyellerinin ve aksiyon potansiyelinin temel özelliklerini açıklayabilme
ÖH-100-4-14	Cranium, cavitas cranii, neurocranium ve viscerocranium kemiklerini ayırt edebilme ve gösterebilme
ÖH-100-4-15	Vücuttaki eklemlerin yerlerini ve bağlarını gösterebilme
ÖH-100-4-16	Bilgiye ulaşabilme, kendi kendine öğrenebilme, analitik düşünebilme ve ekip olarak çalışabilme becerilerini uygulayabilme
ÖH-100-4-17	Örtü ve bez epitelinin tiplerini mikroskopta ayırt edebilme
ÖH-100-4-18	Laboratuvar malzemelerini kullanarak doğru ölçüm yapabilme
ÖH-100-4-19	Kadavra kullanımının öneminin, kadavraya ve dokulara zarar vermeyecek şekilde davranma sorumluluğunun farkına varabilme
ÖH-100-4-20	Pratik uygulamalarda grup çalışmasının ve iş birliğinin önemini farkında olabilme

1. Week	20.02.2023 MONDAY	21.02.2023 TUESDAY	22.02.2023 WEDNESDAY	23.02.2023 THURSDAY	24.02.2023 FRIDAY
08:30 – 09:20			FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME
09:30 – 10:20			Introduction of Physiology, milieu interiour, homeostasis Dr. A. M. Sevgili	FREE STUDY TIME	Overview of epithelial structure and surface epithelium Dr. D. Dayanır
10:30 – 11:20		Serological tests Dr. K. Çağlar	Body fluid compartments and properties Dr. A. M. Sevgili	3rd Committee Feedback Meeting with Coordinators	Signal transmission in the cell Dr. P. Türkkan
11:30 – 12:20	Coordinators Office Briefing Meeting		Introduction to human anatomy Dr. M. Bahçelioğlu	Introduction and general knowledge about the bones Dr. K. Atalar	Signal transmission in the cell Dr. P. Türkkan
13:30 – 14:20			Anatomicomedical terminology Dr. M. Bahçelioğlu	Overview of epithelial structure and surface epithelium Dr. D. Dayanır	Introduction and general knowledge about the joints Dr. K. Atalar
14:30 – 15:20			Anatomicomedical terminology Dr. M. Bahçelioğlu	Overview of epithelial structure and surface epithelium Dr. D. Dayanır	Introduction and general knowledge about the joints Dr. K. Atalar
15:30 – 16:20			3. Committee LAB. Biochemistry	FREE STUDY TIME	FREE STUDY TIME
16:30 – 17:20			FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME
17:30 – 18:10					

2. Week	27.02.2023 MONDAY	28.02.2023 TUESDAY	01.03.2023 WEDNESDAY	02.03.2023 THURSDAY	03.03.2023 FRIDAY
08:30 – 09:20	FREE STUDY TIME	FREE STUDY TIME	Neurocranium Dr. M. Bahçelioğlu	FREE STUDY TIME	FREE STUDY TIME
09:30 – 10:20	3. Committee LAB. Histology and embryology Make-up	FREE STUDY TIME	Neurocranium Dr. M. Bahçelioğlu	LAB. Anatomy 1	FREE STUDY TIME
10:30 – 11:20	3. Committee LAB. Histology and embryology Make-up	Glands epithelium Dr. Z. Yiğman	Transport of substances through the cell membrane Dr. P. Türkkkan	LAB. Histology and embryology Surface epithelium-2	Transport of substances through the capillaries Dr. P. Türkkkan
11:30 – 12:20	Thoracic wall and vertebrae joints Dr. K. Atalar	Glands epithelium Dr. Z. Yiğman	Transport of substances through the cell membrane Dr. P. Türkkkan	LAB. Histology and embryology Surface epithelium-2	Transport of substances through the capillaries Dr. P. Türkkkan
13:30 – 14:20	ENGLISH	Vertebral column, thoracic wall skeletal framework: sternum, ribs Dr. K. Atalar	LAB. Histology and embryology Surface epithelium-1	Connective tissue Dr. Z. Yiğman	Neurocranium Dr. M. Bahçelioğlu
14:30 – 15:20	ENGLISH	Vertebral column, thoracic wall skeletal framework: sternum, ribs Dr. K. Atalar	LAB. Histology and embryology Surface epithelium-1	Connective tissue Dr. Z. Yiğman	Neurocranium Dr. M. Bahçelioğlu
15:30 – 16:20	ELECTIVE COURSE	FREE STUDY TIME	FREE STUDY TIME	3. Committee LAB. Microbiology Dr. F. Doğruman Al	FREE STUDY TIME
16:30 – 17:20	ELECTIVE COURSE	5i Course Atatürk's principles and history of Turkish revolution (Online)	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME
17:30 – 18:10		5i Course Turkish language (Online)			

3. Week	06.03.2023 MONDAY	07.03.2023 TUESDAY	08.03.2023 WEDNESDAY	09.03.2023 THURSDAY	10.03.2023 FRIDAY
08:30 – 09:20	FREE STUDY TIME	Viscerocranium Dr. M. Bahçelioğlu	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME
09:30 – 10:20	LAB. Anatomy 2	Viscerocranium Dr. M. Bahçelioğlu	FREE STUDY TIME	Bones of the shoulder girdle Dr. K. Atalar	LAB. Anatomy 4
10:30 – 11:20	Membranes And Electrical Properties of Cells, Electrical Equivalent Cell Models Dr. M.A. Eşmekaya	Bioelectrical potentials Dr. A. M. Sevgili	Connective tissue Dr. Z. Yığman	Upper limb bones Dr. K. Atalar	Reason of Biological Potential Difference: Asymmetry Dr. M.A. Eşmekaya
11:30 – 12:20	Membranes And Electrical Properties of Cells, Electrical Equivalent Cell Models Dr. M.A. Eşmekaya	Bioelectrical potentials Dr. A. M. Sevgili	Connective tissue Dr. Z. Yığman	Molecular regulation of extracellular- cell communication Dr. D. Dayanır	Reason of Biological Potential Difference: Asymmetry Dr. M.A. Eşmekaya
13:30 – 14:20	ENGLISH	LAB. Physiology Substance transport through the erythrocyte cell membrane	Cranium and various aspects, temporomandibular joint Dr. M. Bahçelioğlu	LAB. Histology and embryology Gland epithelium	LAB. Histology and embryology Connective Tissue Cells and Types
14:30 – 15:20	ENGLISH		Cranium and various aspects, temporomandibular joint Dr. M. Bahçelioğlu	LAB. Histology and embryology Gland epithelium	LAB. Histology and embryology Connective Tissue Cells and Types
15:30 – 16:20	ELECTIVE COURSE	FREE STUDY TIME	LAB. Physiology Substance transport through the erythrocyte cell membrane	LAB. Anatomy 3	FREE STUDY TIME
16:30 – 17:20	ELECTIVE COURSE	5i Course Atatürk's principles and history of Turkish revolution (Online)		FREE STUDY TIME	FREE STUDY TIME
17:30 – 18:10		5i Course Turkish language (Online)			

4. Week	13.03.2023 MONDAY	14.03.2023 TUESDAY	15.03.2023 WEDNESDAY	16.03.2023 THURSDAY	17.03.2023 FRIDAY
08:30 – 09:20	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME
09:30 – 10:20	Upper limb joint Dr. K. Atalar	LAB. Anatomy 5	FREE STUDY TIME	LAB. Anatomy 6	LAB. Anatomy 7
10:30 – 11:20	Bony pelvis Dr. K. Atalar	Cartilage Dr. Z. Yiğman	Bioelectrical potentials Dr. A. M. Sevgili	Bone Dr. Z. Yiğman	Sound, physical characteristics and formation of sound, Ultrasound Dr. M.A. Eşmekaya
11:30 – 12:20	Lower limb bones Dr. K. Atalar	Cartilage Dr. Z. Yiğman	Bioelectrical potentials Dr. A. M. Sevgili	Bone Dr. Z. Yiğman	Sound, physical characteristics and formation of sound, Ultrasound Dr. M.A. Eşmekaya
13:30 – 14:20	ENGLISH	Evaluation of Cell potential: Nernst, Goldman, Hodgkin- Katz and Hodgkin Huxley Models and calculation of ion currents Dr. M.A. Eşmekaya	LAB. Histology and embryology Cartilage Tissue	Lower limb joint Dr. K. Atalar	PBL – 1. Week
14:30 – 15:20	ENGLISH	Evaluation of Cell potential: Nernst, Goldman, Hodgkin- Katz and Hodgkin Huxley Models and calculation of ion Dr. M.A. Eşmekaya	LAB. Histology and embryology Cartilage Tissue	Lower limb joint Dr. K. Atalar	
15:30 – 16:20	ELECTIVE COURSE	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME	
16:30 – 17:20	ELECTIVE COURSE	5i Course Atatürk's principles and history of Turkish revolution (Online)	FREE STUDY TIME	FREE STUDY TIME	
17:30 – 18:10		5i Course Turkish language (Online)			

5. Week	20.03.2023 MONDAY	21.03.2023 TUESDAY	22.03.2023 WEDNESDAY	23.03.2023 THURSDAY	24.03.2023 FRIDAY
08:30 – 09:20	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME
09:30 – 10:20	LAB. Anatomy 8	LAB. Anatomy 9	LAB. Anatomy 10	FREE STUDY TIME	FREE STUDY TIME
10:30 – 11:20	Osteogenesis Dr. Z. Yiğman	Clinical anatomy Dr. M. Bahçelioğlu	LAB. Histology and embryology Make-Up	Piezoelectric structures in tissues, recovery of bone break, invasive and non-invasive techniques Dr. M.A. Eşmekaya	FREE STUDY TIME
11:30 – 12:20	Articulation Dr. Z. Yiğman	Clinical anatomy Dr. M. Bahçelioğlu	LAB. Histology and embryology Make-Up	Piezoelectric structures in tissues, recovery of bone break, invasive and non-invasive techniques Dr. M.A. Eşmekaya	FREE STUDY TIME
13:30 – 14:20	ENGLISH	LAB. Histology and embryology Bone Tissue	Clinical and radiological anatomy Dr. M. Bahçelioğlu	FREE STUDY TIME	PBL – 2. Week
14:30 – 15:20	ENGLISH	LAB. Histology and embryology Bone Tissue	Clinical and radiological anatomy Dr. M. Bahçelioğlu	FREE STUDY TIME	
15:30 – 16:20	ELECTIVE COURSE	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME	
16:30 – 17:20	ELECTIVE COURSE	5i Course Atatürk's principles and history of Turkish revolution (Online)	FREE STUDY TIME	FREE STUDY TIME	
17:30 – 18:10		5i Course Turkish language (Online)			

6. Week	27.03.2023 MONDAY	28.03.2023 TUESDAY	29.03.2023 WEDNESDAY	30.03.2023 THURSDAY	31.03.2023 FRIDAY
08:30 – 09:20	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME
09:30 – 10:20	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME
10:30 – 11:20	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME
11:30 – 12:20	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME
13:30 – 14:20	ENGLISH	FREE STUDY TIME	FREE STUDY TIME	PBL – 3. Week	FREE STUDY TIME
14:30 – 15:20	ENGLISH	FREE STUDY TIME	FREE STUDY TIME		FREE STUDY TIME
15:30 – 16:20	ELECTIVE COURSE	FREE STUDY TIME	FREE STUDY TIME		FREE STUDY TIME
16:30 – 17:20	ELECTIVE COURSE	5i Course Atatürk's principles and history of Turkish revolution (Online)	FREE STUDY TIME		FREE STUDY TIME
17:30 – 18:10		5i Course Turkish language (Online)			

7. Week	03.04.2023 MONDAY	04.04.2023 TUESDAY	05.04.2023 WEDNESDAY	06.04.2023 THURSDAY	07.04.2023 FRIDAY
08:30 – 09:20	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME
09:30 – 10:20	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME
10:30 – 11:20	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME
11:30 – 12:20	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME
13:30 – 14:20	ENGLISH	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME
14:30 – 15:20	ENGLISH	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME
15:30 – 16:20	ELECTIVE COURSE	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME
16:30 – 17:20	ELECTIVE COURSE	5i Course Atatürk's principles and history of Turkish revolution (Online)	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME
17:30 – 18:10		5i Course Turkish language (Online)			