

GAZI UNIVERSITY FACULTY OF MEDICINE

2020-2021 EDUCATIONAL YEAR

DISTANCE (ON-LINE) EDUCATION LABORATORY COURSES FOR YEAR II

DIGESTIVE SYSTEM AND METABOLISM COMMITTEE

(12 APRIL 2021 – 11 MAY 2021)

Courses	Theoretical	Laboratory
Anatomy	26	4x2
Biophysics	8	-
Physiology	22	1x4
Histology and Embryology	12	1x2
Medical Biochemistry	44	6x1
TOTAL	112	12

10.05.2021	FRIDAY	APPLIED EXAM (ANATOMY+HISTOLOGY)
11.05.2021	TUESDAY	THEORETICAL EXAM

Dean	Prof.Dr. Mustafa Necmi İLHAN
Vice Dean	Assoc. Prof. Dr. İlyas OKUR
Vice Dean	Assoc. 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
Assistant Head Coordinator	Assoc. Prof. Dr.Özlem COŞKUN
Phase II Coordinator	Assoc. Prof. Dr.Gökçe S. ÖZTÜRK FİNCAN
Assistant Phase II Coordinator	Assist. Prof.Dr. Öğr.Üye. Zeynep YIĞMAN (İNG)
Assistant Phase II Coordinator	Teach. Assist. Dr. Süheyla Esra ÖZKOÇER
Assistant Phase II Coordinator	Teach. Assist. Dr. Pelin TÜRKKAN
Assistant Phase II Coordinator	Teach. Assist. Dr. Ece ALİM

MEMBERS OF COMMITTEE

ANATOMY	HISTOLOGY AND EMBRYOLOGY	PHYSIOLOGY	BIOPHYSICS	MEDICAL BIOCHEMISTRY
Dr. Meltem BAHÇELİOĞLU	Dr. Zeynep YIĞMAN	Dr. Şevin GÜNEY	Dr. Bahriye Sırav ARAL	Dr. Neslihan BUKAN
Dr.Ece ALİM	Dr. Esra ÖZKOÇER	Dr.Meltem SEVGİLİ		Dr. Mustafa KAVUTÇU
	Dr. Duygu DAYANIR			Dr. Orhan CANPOLAT
				Dr. Aylin SEPİCİ DİNÇEL
				Dr. Cengiz KARAKAYA

ANATOMY	HISTOLOGY AND EMBRYOLOGY	PHYSIOLOGY	MEDICAL BIOCHEMISTRY
Dr. Meltem BAHÇELİOĞLU	Dr. Çiğdem ELMAS	Dr. Şevin GÜNEY	Dr. Cengiz KARAKAYA
Dr.Ece ALİM	Dr. Zeynep YIĞMAN	Dr.Meltem SEVGİLİ	Dr. Kübranur ÜNAL
	Dr. Esra ÖZKOÇER		
	Dr. Duygu DAYANIR		

Elective Course Coordinator

Assoc. Prof. Dr. Ergin DİLEKÖZ

DIGESTION AND METABOLISM COMMITTEE

Aim

Should be able to tell the embryonic development, developmental anomalies and malformations of the structures related to the digestive system, the anatomical and histological structure of the digestive system, the physiological functions and establish the connections with the clinic. Should be able to explain biochemical properties and energy metabolism of digestion.

LEARNING OUTCOMES

Knowledge Based

LO-200-3-1 Should be able to explain which germ leaves the digestive system develops from and in which weeks of development it occurs

LO-200-3-2 Should be able to explain anatomical, histological structures and physiological functions of organs in digestive tract

LO-200-3-3 Should be able to explain anatomical, histological structure and physiological functions of liver and biliary tract

LO-200-3-4 Should be able to explain the histological, anatomical structure and functions of the spleen and pancreas

LO-200-3-5 Should be able to explain the hormones secreted from digestive system

LO-200-3-6 Should be able to explain motor movements and secretory functions in digestive tract

LO-200-3-7 Should be able to say the events of digestion and absorption in the small intestine

LO-200-3-8 Should be able to explain vitamin and trace elements and energy mechanisms, regulation of body temperature

LO-200-3-9 Should be able to tell lipid, protein and fat metabolism

LO-200-3-10 Should be able to define thermodynamic systems, enthalpy and entropy, Heat transfer mechanisms: Heat transfer by convection, radiation and their physical formulations

LO-200-3-11 Should be able to have a problem-based approach to diseases

Application Based (practical skills)

LO-200-3-12 Should be able to demonstrate the ability to insert the nasogastric catheter

LO-200-3-13 Should be able to show digestive system structures on experimental animal

LO-200-3-14 Should be able to apply the studies in experimental subjects

Skills Based (intellectual and transferable skills)

LO-200-3-15 Should recognize the importance of cadaver and microscope studies

LO-200-3-16 Should recognize the importance of experimental animal in physiology education

LO-200-3-17 Should recognize that working with a living organ or subject is a responsibility

LO-200-3-18 Should be aware of the responsibility of behaving in a way that will not harm the living object

LABORATORY COURSES	
ANATOMY LABORATORY 1	Mouth Pharynx
ANATOMY LABORATORY 2	Anterior abdominal wall Abdominal cavity topography Inguinal canal Oesophagus Stomach
ANATOMY LABORATORY 3	Small intestine Large intestine Liver and biliary tract Splen and pancreas
ANATOMY LABORATORY 4	Peritoneum Posterior abdominal wall Abdominal aorta Inferior vena cava
PHYSIOLOGY LABORATORY	Exercise Physiology
HISTOLOGY LABORATORY	Tongue Sublingual Gland Parotid Gland Submandibular Gland Esophagus Stomach Duodenum Ileum Jejunum Colon Apendix Liver Gallbladder Pancreas
MEDICAL BIOCHEMISTRY LABORATORY 1	Von Gierke Disease
MEDICAL BIOCHEMISTRY LABORATORY 2	Purification of glycogen and acid hydrolysis
MEDICAL BIOCHEMISTRY LABORATORY 3	Pyruvate carboxylase and deficiency
MEDICAL BIOCHEMISTRY LABORATORY 4	Hemolysis and G6PD deficiency
MEDICAL BIOCHEMISTRY LABORATORY 5	Determination of HDL- Cholesterol
MEDICAL BIOCHEMISTRY LABORATORY 6	Urea determination

1 st WEEK	12.04.2021 MONDAY	13.04.2021 TUESDAY	14.04.2021 WEDNESDAY YEAR 3 EXAM	15.04.2021 THURSDAY	16.04.2021 FRIDAY
09.00-10.30	Free Study Time	Anatomy laboratory (1) 1. group	Free Study Time	Free Study Time	Free Study Time
11.00-12.30	Free Study Time	Anatomy laboratory (1) 2. group	Free Study Time	Physiology Laboratory A Group	Free Study Time
14.00-15.00	Medical Biochemistry Laboratory (1)	MEDICAL ENGLISH	Medical Biochemistry Laboratory (2)	Free Study Time	Free Study Time
15.00-16.00	Free Study Time	ELECTIVE COURSES	Free Study Time	Free Study Time	Free Study Time

2 nd WEEK	19.04.2021 MONDAY	20.04.2021 TUESDAY	21.04.2021 WEDNESDAY	22.04.2021 THURSDAY	23.04.2021 FRIDAY
09.00-10.30	Free Study Time	Anatomy laboratory (2) 2. group	Free Study Time	Free Study Time	
11.00-12.30	Histology Laboratory 1. group	Anatomy laboratory (2) 1. group	Free Study Time	Physiology Laboratory B Group	
14.00-15.00	Medical Biochemistry Laboratory (3)	MEDICAL ENGLISH	Medical Biochemistry Laboratory (4)	Free Study Time	PUBLIC HOLIDAY
15.00-16.00	Free Study Time	ELECTIVE COURSES	Free Study Time	Free Study Time	

3 rd WEEK	26.04.2021 MONDAY	27.04.2021 TUESDAY	28.04.2021 WEDNESDAY	29.04.2021 THURSDAY	30.04.2021 FRIDAY
09.00-10.30	Free Study Time	Anatomy laboratory (3) 1. group	Free Study Time	Free Study Time	Free Study Time
11.00-12.30	Free Study Time	Anatomy laboratory (3) 2. group	Free Study Time	Physiology Laboratory C Group	Histology Laboratory 2. group
14.00-15.00	Medical Biochemistry Laboratory (5)	MEDICAL ENGLISH	Free Study Time	Medical Biochemistry Laboratory (6)	Free Study Time
15.00-16.00	Free Study Time	ELECTIVE COURSES	Free Study Time	Free Study Time	Free Study Time

4th WEEK	03.05.2021 MONDAY	04.05.2021 TUESDAY	05.05.2021 WEDNESDAY	06.05.2021 THURSDAY	07.05.2021 FRIDAY
09.00-10.30	Free Study Time	Anatomy laboratory (4) 2. group	Free Study Time	Free Study Time	Free Study Time
11.00-12.30	Physiology Laboratory D Group	Anatomy laboratory (4) 1. group	Free Study Time	Physiology Laboratory Make up	Histology Laboratory Make up
14.00-15.00	Free Study Time	MEDICAL ENGLISH	Free Study Time	Free Study Time	Free Study Time
15.00-16.00	Free Study Time	ELECTIVE COURSES	Free Study Time	Free Study Time	Free Study Time

5. WEEK	10.05.2021 MONDAY	11.05.2021 TUESDAY	12.05.2021 WEDNESDAY	13.05.2021 THURSDAY	14.05.2021 FRIDAY
09.00-10.30	PRACTICAL EXAM	THEORETICAL EXAM			
11.00-12.30					
14.00-15.00		MEDICAL ENGLISH			
15.00-16.00		ELECTIVE COURSES			