GAZI UNIVERSITY MEDICAL FACULTY

2020-2021 ACADEMIC YEAR

YEAR 1 TISSUE BIOLOGY COMMITTEE II

PANDEMIC PERIOD DISTANCE EDUCATION PRACTICAL COURSE PROGRAM

(24 MAY 2021 – 23 JULY 2020)

COURSES	PRACTICAL
ANATOMY	22
HISTOLOGY AND EMBRYOLOGY	6
PHYSIOLOGY	12
MEDICAL BIOCHEMISTRY	-
PSYCHIATRY	-
TOTAL	**40**
ELECTIVE COURSE	**-**
TOTAL	**40**

MEMBERS OF COMMITTEE

ANATOMY	HISTOLOGY AND EMBRYOLOGY	PHYSIOLOGY	MEDICAL BIOCHEMISTRY	PSYCHIATRY
Dr. Meltem BAHÇELİOĞLU	Dr. Çiğdem ELMAS	Dr. Meltem SEVGİLİ	Dr. Cengiz KARAKAYA	Dr. Nevzat YÜKSEL
Dr. Ece ALİM	Dr. Zeynep YIĞMAN	Dr. Pelin TÜRKAN	Dr. Aylin SEPİCİ DİNÇEL	Dr. Zehra ARIKAN
	Dr. Duygu DAYANIR	Dr. Hilal KORKMAZ	Dr. Neslihan BUKAN	Dr. Selçuk CANDANSAYAR
	Dr. Esra ÖZKOÇAR		Dr. Kübra Nur ÜNAL	Dr. Filiz KARADAĞ

Aim

At the end of course period, the year I students are expected to define the locations, types and functions of muscles, to identify nerve tissue, to determine morphological significance and biochemical properties of muscle and nerve tissues.

Learning Objectives:

Knowledge:

ÖH-100-05-01 To understand the general information about the muscles in our body and be able to say the muscles, their places, types and functions

ÖH-100-05-02 To classify the spinal cord and spinal nerves, to be able to tell the branches of the plexus and the muscles they innervate

ÖH-100-05-03 To be able to evaluate the relationship between anatomical information and clinical conditions

ÖH-100-05-04 To be able to define biochemical properties of nerve, epithelium, muscle and connective tissue, to explain related diseases

ÖH-100-05-05 To be able to explain the mechanism of muscle contraction and energy sources

ÖH-100-05-06 To be able to categorize muscles, types, organisms, structural and contractile properties

ÖH-100-05-07 To be able to define the importance of calcium-muscle interaction, stimulation response and calcium

ÖH-100-05-08 To be able to define neurotransmitters and their receptors, to be able to tell the synthesis and destruction pathways

ÖH-100-05-09 To be able to explain neuron types, glial cells, synapse types, nerve-muscle junction, functional unit of nervous system

ÖH-100-05-10 To be able to define sensory organs and sensory receptors, to explain electrical and chemical events in receptors

ÖH-100-05-11 To be able to tell the cells, components and types of muscle and nerve tissue, which features the germ leaf develops

ÖH-100-05-12 Describe the dermis, epidermis cells together with their properties

ÖH-100-05-13 To be able to define the stages of human embryo development

ÖH-100-05-14 To be able to explain the basic concepts of psychiatry, to explain the functioning of the mind

Skills:

ÖH-100-5-15 To be able to show the muscles in the body and to distinguish the muscles and nerves of these muscles

ÖH-100-5-16 Keeping the experimental animal properly and be able to prepare the preparation of nerve muscle junction in frog

ÖH-100-5-17 To be able to examine tissues under microscope

Attitude:

ÖH-100-5-18 Be aware of group work and cooperation in practical applications

ÖH-100-5-19 Be aware of the need to comply with ethical rules when working with experimental animals

ÖH-100-5-20 To be able to understand the importance of mental health in health concept

33rd WEEK	24.05.2021 MONDAY	25.05.2021 TUESDAY	26.05.2021 WEDNESDAY	27.05.2021 THURSDAY	28.05.2021 FRIDAY
09:00-10:30			PHYSIOLOGY – 1 GROUP – B	ANATOMY – 1 GROUP – 1	
11:00-12:30		PHYSIOLOGY – 1 GROUP – A	HISTOLOGY GROUP – 1	ANATOMY – 1 GROUP – 2	PHYSIOLOGY – 1 GROUP – C
13:00-14:30					
15:00-16:30					

ANATOMY – 1: Spinal cord and spinal nerves
Superficial structures of the neck
Cervical plexus
Infrahyoid and suprahyoid muscles
Deep structures of the neck
Trigons of the neck
Contents of the trigons
Muscles of facial expression and mastication

PHYSIOLOGY – 1: Skeletal muscle

34th WEEK	31.05.2021 MONDAY	01.06.2021 TUESDAY	02.06.2021 WEDNESDAY	03.06.2021 THURSDAY	04.06.2021 FRIDAY
09:00-10:30				ANATOMY – 2 GROUP – 1	
11:00-12:30	HISTOLOGY GROUP – 2	PHYSIOLOGY – 1 GROUP – D	PHYSIOLOGY – 1 GROUP – E	ANATOMY – 2 GROUP – 2	PHYSIOLOGY – 1 GROUP – F
13:00-14:30					
15:00-16:30					

ANATOMY – 2: Superficial muscles of the neck and back
Deep muscles of the neck and back
Pectoral region and the breast
Axioappendicular and scapulohumeral muscles
Axilla
Brachial plexus

PHYSIOLOGY – 1: Skeletal muscle

35th WEEK	07.06.2021 MONDAY	08.06.2021 TUESDAY	09.06.2021 WEDNESDAY	10.06.2021 THURSDAY	11.06.2021 FRIDAY
09:00-10:30				ANATOMY – 3 GROUP – 1	
11:00-12:30		PHYSIOLOGY – 2 GROUP – A		ANATOMY – 3 GROUP – 2	PHYSIOLOGY – 2 GROUP – C
		PHYSIOLOGY – 2 GROUP – B			
13:00-14:30					
15:00-16:30					

ANATOMY – 3: Anterior compartment of the arm
Anterior compartment of the forearm
Palm of the hand
Posterior compartment of the arm
Posterior compartment of the forearm
Dorsum of the hand

PHYSIOLOGY – 2: Smooth muscle

36th WEEK	14.06.2021 MONDAY	15.06.2021 TUESDAY	16.06.2021 WEDNESDAY	17.06.2021 THURSDAY	18.06.2021 FRIDAY
09:00-10:30				ANATOMY – 4 GROUP – 1	
11:00-12:30	HISTOLOGY MAKE-UP	PHYSIOLOGY – 2 GROUP – D	PHYSIOLOGY – 2 GROUP – F	ANATOMY – 4 GROUP – 2	PHYSIOLOGY – 1 MAKE-UP
		PHYSIOLOGY – 2 GROUP – E			PHYSIOLOGY – 2 MAKE-UP
13:00-14:30					
15:00-16:30					

ANATOMY – 4: Lumbosacral plexus
Anteromedial compartment of the thigh
Gluteal region
Posterior compartment of the thigh
Anterolateral compartment of the leg
Posterior compartment of the leg
Anatomy of the foot

PHYSIOLOGY – 2: Smooth muscle

37th WEEK	21.06.2021 MONDAY	22.06.2021 TUESDAY	23.06.2021 WEDNESDAY	24.06.2021 THURSDAY	25.06.2021 FRIDAY
09:00-10:30		TISSUE BIOLOGY COMMITTEE II ANATOMY, PHYSIOLOGY AND HISTOLOGY PRACTICAL EXAMS	TISSUE BIOLOGY COMMITTEE II THEORETICAL EXAM		
11:00-12:30					
13:00-14:30					
15:00-16:30					