

**GAZI UNIVERSITY MEDICAL FACULTY  
2020-2021 ACADEMIC YEAR  
YEAR 1 TISSUE BIOLOGY COMMITTEE II  
PANDEMIC PERIOD THEORETICAL PROGRAM  
(DECEMBER 24, 2020 - JANUARY 18, 2021)**

COURSES	THEORETICAL
ANATOMY	36
HISTOLOGY AND EMBRYOLOGY	25
PHYSIOLOGY	21
MEDICAL BIOCHEMISTRY	6
PSYCHIATRY	7
<b>TOTAL</b>	<b>95</b>

**MEMBERS OF COMMITTEE**

ANATOMY	HISTOLOGY AND EMBRYOLOGY	PHYSIOLOGY	MEDICAL BIOCHEMISTRY	PSYCHIATRY
Dr. Meltem BAHÇELİOĞLU	Dr. Çiğdem ELMAS	Dr. Ayşe Meltem SEVGİLİ	Dr. Cengiz KARAKAYA	Dr. Behçet COŞAR
Dr. Ece ALİM	Dr. Zeynep YIĞMAN		Dr. Aylin SEPİCİ DİNÇEL	Dr. Ashı KURUOĞLU
			Dr. Neslihan BUKAN	Dr. İrem EKMEKÇİ ERTEK
			Dr. Kübra Nur ÜNAL	Dr. Selçuk ASLAN

**TISSUE BIOLOGY COMMITTEE II**

**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*

**PANDEMIC PERIOD TISSUE BIOLOGY COMMITTEE II THEORETICAL PROGRAM**

<b>11th Week</b>	<b>21.12.2020 MONDAY</b>	<b>22.12.2020 TUESDAY</b>	<b>23.12.2020 WEDNESDAY</b>	<b>24.12.2020 THURSDAY</b>	<b>25.12.2020 FRIDAY</b>	
<b>10:00- 10:30 10:30- 11:00</b>			<b>4th COMMITTEE THEORETICAL EXAM</b>		Superficial structures of the neck Dr. M. BAHÇELİOĞLU	
				Introduction to muscles Dr. M. BAHÇELİOĞLU	Superficial structures of the neck Dr. M. BAHÇELİOĞLU	
<b>11:00- 11:30 11:30- 12:00</b>				Spinal cord and spinal nerves Dr. M. BAHÇELİOĞLU	Muscle tissue biochemistry Dr. A. SEPİCİ DİNÇEL	
					Muscle tissue biochemistry Dr. A. SEPİCİ DİNÇEL	
<b>14:00- 14:30 14:30- 15:00</b>					Muscle Dr. Z. YIĞMAN	Physiology of peripheral nervous system Dr. A.M. SEVGİLİ
					Muscle Dr. Z. YIĞMAN	Physiology of peripheral nervous system Dr. A.M. SEVGİLİ
<b>15:00- 15:30 15:30- 16:00</b>						

**PANDEMIC PERIOD TISSUE BIOLOGY COMMITTEE II THEORETICAL PROGRAM**

12th Week	28.12.2020 MONDAY	29.12.2020 TUESDAY	30.12.2020 WEDNESDAY	31.12.2020 THURSDAY	01.01.2021 FRIDAY
10:00- 10:30 10:30- 11:00	Deep structures of the neck Dr. M. BAHÇELİOĞLU	Muscles of facial expression and mastication Dr. M. BAHÇELİOĞLU	Deep muscles of the neck and back Dr. M. BAHÇELİOĞLU	Synaptic integration Dr. A.M. SEVGİLİ	<b>NEW YEAR</b>
	Deep structures of the neck Dr. M. BAHÇELİOĞLU	Superficial muscles of the neck and back Dr. M. BAHÇELİOĞLU	Pectoral region and the breast Dr. M. BAHÇELİOĞLU	Synaptic integration Dr. A.M. SEVGİLİ	
11:00- 11:30 11:30- 12:00	Conduction properties of peripheral nervous system Dr. A.M. SEVGİLİ	Biochemistry of endothelium tissue Dr. C. KARAKAYA	Properties of synaptic conduction Dr. A.M. SEVGİLİ	Clinical anatomy Dr. M. BAHÇELİOĞLU	
	Synapses and types of synapses Dr. A.M. SEVGİLİ	Neuromuscular junction Dr. A.M. SEVGİLİ	Properties of synaptic conduction Dr. A.M. SEVGİLİ	Clinical anatomy Dr. M. BAHÇELİOĞLU	
14:00- 14:30 14:30- 15:00	Nervous tissue Dr. Z. YIĞMAN	Integument Dr. Z. YIĞMAN	General embryology Dr. Ç. ELMAS	General embryology Dr. Ç. ELMAS	
	Nervous tissue Dr. Z. YIĞMAN	Integument Dr. Z. YIĞMAN	General embryology Dr. Ç. ELMAS	General embryology Dr. Ç. ELMAS	
15:00- 15:30 15:30- 16:00	Nervous tissue Dr. Z. YIĞMAN	Nerve tissue biochemistry Dr. K. ÜNAL			

**PANDEMIC PERIOD TISSUE BIOLOGY COMMITTEE II THEORETICAL PROGRAM**

13th Week	04.01.2021 MONDAY	05.01.2021 TUESDAY	06.01.2021 WEDNESDAY	07.01.2021 THURSDAY	08.01.2021 FRIDAY
10:00- 10:30 10:30- 11:00	Axiopendicular and scapulohumeral muscles Dr. M. BAHÇELİOĞLU	Brachial plexus Dr. M. BAHÇELİOĞLU	Palm of the hand Dr. M. BAHÇELİOĞLU	Autonomic nervous system Dr. A.M. SEVGİLİ	Lumbosacral plexus Dr. E. ALİM/Dr. M. BAHÇELİOĞLU
	Axilla Dr. M. BAHÇELİOĞLU	Brachial plexus Dr. M. BAHÇELİOĞLU	Posterior compartment of the forearm and dorsum of the hand Dr. M. BAHÇELİOĞLU	Autonomic nervous system Dr. A.M. SEVGİLİ	Lumbosacral plexus Dr. E. ALİM/Dr. M. BAHÇELİOĞLU
11:00- 11:30 11:30- 12:00	Anterior and posterior compartment of the arm Dr. M. BAHÇELİOĞLU	Anterior compartment of the forearm Dr. M. BAHÇELİOĞLU	Posterior compartment of the forearm and dorsum of the hand Dr. M. BAHÇELİOĞLU	Clinical anatomy Dr. M. BAHÇELİOĞLU	Cognitive and moral development Dr. İ. EKMEKÇİ ERTEK
	Introduction to Psychiatry Dr. B. COŞAR	Anterior compartment of the forearm Dr. M. BAHÇELİOĞLU		Clinical anatomy Dr. M. BAHÇELİOĞLU	
14:00- 14:30 14:30- 15:00	General embryology Dr. Ç. ELMAS	Connective tissue biochemistry Dr. N. BUKAN	Sensorial receptors Dr. A.M. SEVGİLİ	General embryology Dr. Ç. ELMAS	General embryology Dr. Ç. ELMAS
	General embryology Dr. Ç. ELMAS	Connective tissue biochemistry Dr. N. BUKAN	Sensorial receptors Dr. A.M. SEVGİLİ	General embryology Dr. Ç. ELMAS	General embryology Dr. Ç. ELMAS
15:00- 15:30 15:30- 16:00	General embryology Dr. Ç. ELMAS		Psychosexual and psychosocial development Dr. A. KURUOĞLU	General embryology Dr. Ç. ELMAS	
			Psychosexual and psychosocial development Dr. A. KURUOĞLU		

**PANDEMIC PERIOD TISSUE BIOLOGY COMMITTEE II THEORETICAL PROGRAM**

14th Week	11.01.2021 MONDAY	12.01.2021 TUESDAY	13.01.2021 WEDNESDAY	14.01.2021 THURSDAY	15.01.2021 FRIDAY
10:00- 10:30 10:30- 11:00	Anteromedial compartment of the thigh Dr. E. ALİM/Dr. M. BAHÇELİOĞLU	Mechanical properties of skeletal muscle Dr. A.M. SEVGİLİ	Posterior compartment of the leg Dr. E. ALİM/Dr. M. BAHÇELİOĞLU	Physiology of smooth muscle Dr. A.M. SEVGİLİ	
	Anteromedial compartment of the thigh Dr. E. ALİM/Dr. M. BAHÇELİOĞLU	Mechanical properties of skeletal muscle Dr. A.M. SEVGİLİ	Anatomy of the foot Dr. E. ALİM/Dr. M. BAHÇELİOĞLU	Physiology of smooth muscle Dr. A.M. SEVGİLİ	
11:00- 11:30 11:30- 12:00	Gluteal region Dr. E. ALİM/Dr. M. BAHÇELİOĞLU	Posterior compartment of the thigh Dr. E. ALİM/Dr. M. BAHÇELİOĞLU	Anatomy of the foot Dr. E. ALİM/Dr. M. BAHÇELİOĞLU	How does the mind work? Dr. S. ASLAN	
		Anterolateral compartment of the leg Dr. E. ALİM/Dr. M. BAHÇELİOĞLU		How does the mind work? Dr. S. ASLAN	
14:00- 14:30 14:30- 15:00	Skeletal muscle and contraction theories Dr. A.M. SEVGİLİ	How does the mind work? Dr. S. ASLAN	General embryology Dr. Ç. ELMAS	Clinical and radiographic anatomy Dr. M. BAHÇELİOĞLU	
	Skeletal muscle and contraction theories Dr. A.M. SEVGİLİ	General embryology Dr. Ç. ELMAS	General embryology Dr. Ç. ELMAS	Clinical and radiographic anatomy Dr. M. BAHÇELİOĞLU	
15:00- 15:30 15:30- 16:00	General embryology Dr. Ç. ELMAS	General embryology Dr. Ç. ELMAS	Mechanical properties of skeletal muscle Dr. A.M. SEVGİLİ		
	General embryology Dr. Ç. ELMAS		Mechanical properties of skeletal muscle Dr. A.M. SEVGİLİ		

**PANDEMIC PERIOD TISSUE BIOLOGY COMMITTEE II THEORETICAL PROGRAM**

<b>15th Week</b>	<b>18.01.2021 MONDAY</b>	<b>19.01.2021 TUESDAY</b>	<b>20.01.2021 WEDNESDAY</b>	<b>21.01.2021 THURSDAY</b>	<b>22.01.2021 FRIDAY</b>
<b>10:00- 10:30 10:30- 11:00</b>	<p align="center"><b>5th COMMITTEE</b></p> <p align="center"><b>THEORETICAL EXAM</b></p> <p align="center"><b>Hour:11:00</b></p>				
<b>11:00- 11:30 11:30- 12:00</b>					
<b>14:00- 14:30 14:30- 15:00</b>					
<b>15:00- 15:30 15:30- 16:00</b>					

**SEMESTER HOLIDAY**