

**GAZİ UNIVERSITY MEDICAL FACULTY
PHASE I – TISSUE BIOLOGY COMMITTEE II
(15 APRIL 2024 – 06 JUNE 2024)**

| COURSES | THEORETICAL | LABORATORY | PRACTICAL | TOTAL |
|---|--------------------|-------------------|------------------|--------------|
| ANATOMY | 36 | 11x1 | - | 47 |
| HISTOLOGY AND EMBRYOLOGY | 25 | 4x2 | - | 33 |
| PHYSIOLOGY | 21 | 2x2 | - | 25 |
| MEDICAL BIOCHEMISTRY | 6 | - | - | 6 |
| PSYCHIATRY | 7 | - | - | 7 |
| TOTAL | 95 | 23 | | 118 |
| ELECTIVE COURSE | 12 | - | - | 12 |
| SOCIAL RESPONSIBILITY PROJECTS | 8 | - | - | 8 |
| Exam evaluation and coordination feedback meeting | 1 | - | - | 1 |
| TOTAL | 116 | 23 | - | 139 |
| FREE STUDY TIME | 149 | | | |

Total 36 work days.

Free study time definition: Individual studying courses intended for learning in accordance with the present committee.

OBLIGATORY COURSES

| | |
|---|----|
| Turkish Language | 12 |
| Atatürk's Principles and History of His Revolutions | 12 |
| English | 12 |

Turkish Language: Every week on Wednesday between 16.30 – 17.20.

Ataturk's Principles and History of His Revolutions: Every week on Tuesday between 18.00 – 18.50

English (face-to-face): Every week on Monday between 13.30 – 15.20.

| | | | |
|------------|-----------|------------------|---------------|
| 04.06.2024 | Tuesday | Applied Exam | 08.30 – 17.20 |
| 05.06.2024 | Wednesday | Applied Exam | 08.30 – 17.20 |
| 06.06.2024 | Thursday | Theoretical Exam | 09.30 – 11.10 |

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|--------------------------------------|--|
| Dean | Prof. Dr. Alper CEYLAN |
| Vice Dean | Doç. Dr. Nazmi Mutlu KARAKAŞ |
| Vice Dean | Doç. Dr. Asiye UĞRAŞ DİKMEN |
| Head Coordinator | Prof. Dr. Çiğdem ÖZER |
| Assistant Head Coordinator | Prof. Dr. Akif Muhtar ÖZTÜRK |
| Assistant Head Coordinator | Prof. Dr. Akif Muhtar ÖZTÜRK |
| Phase I Coordinator | Dr. Öğr. Üyesi Meltem SEVGİLİ |
| Assistant Phase I Coordinator | Dr. Öğr. Üyesi Melek YAMAN |
| Assistant Phase I Coordinator | Dr. Öğr. Üyesi Kerem ATALAR |
| Assistant Phase I Coordinator | Dr. Öğr. Üyesi Duygu DAYANIR |
| Assistant Phase I Coordinator | Dr. Öğr. Üyesi Sultan Pınar ÇETİNTEPE |

MEMBERS OF COMMITTEE

| ANATOMY | HISTOLOGY AND EMBRYOLOGY | PHYSIOLOGY |
|-----------------------------|--------------------------------------|------------------------|
| Dr. Meltem BAHÇELİOĞLU | Dr. Çiğdem ELMAS | Dr. A. Meltem SEVGİLİ |
| Dr. Kerem ATALAR | Dr. Zeynep YIĞMAN | |
| ANATOMY LAB. | HISTOLOGY AND EMBRYOLOGY LAB. | PHYSIOLOGY LAB. |
| Dr. Meltem BAHÇELİOĞLU | Dr. Çiğdem ELMAS | Dr. A. Meltem SEVGİLİ |
| Dr. Kerem ATALAR | Dr. Zeynep YIĞMAN | Dr. Pelin TÜRKKAN |
| | | Dr. Burak KAYABAŞI |
| MEDICAL BIOCHEMISTRY | PSYCHIATRY | |
| Dr. Neslihan BUKAN | Dr. Aslı KURUOĞLU | |
| Dr. Aylin SEPİCİ DİNÇEL | Dr. Behçet COŞAR | |
| Dr. Cengiz KARAKAYA | Dr. İrem EKMEKÇİ ERTEK | |
| Dr. Kübranur ÜNAL | Dr. Melike KÜÇÜKKARAPINAR | |

| | |
|---|-----------------------|
| SOCIAL RESPONSIBILITY PROJECTS COORDINATOR | Doç. Dr. Namık ÇENÇEN |
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TISSUE BIOLOGY COMMITTEE II – AIM AND LEARNING OBJECTIVES

AIM:

At the end of 36 days of academic course period, the Phase 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:

1. To understand the general information about the muscles in our body and be able to say the muscles, their places, types and functions
2. To classify the spinal cord and spinal nerves, to be able to tell the branches of the plexus and the muscles they innervate
3. To be able to evaluate the relationship between anatomical information and clinical conditions
4. To be able to define biochemical properties of nerve, epithelium, muscle and connective tissue, to explain related diseases
5. To be able to explain the mechanism of muscle contraction and energy sources
6. To be able to categorize muscles, types, organisms, structural and contractile properties
7. To be able to define the importance of calcium-muscle interaction, stimulation response and calcium
8. To be able to define neurotransmitters and their receptors, to be able to tell the synthesis and destruction pathways
9. To be able to explain neuron types, glial cells, synapse types, nerve-muscle junction, functional unit of nervous system
10. To be able to define sensory organs and sensory receptors, to explain electrical and chemical events in receptors
11. To be able to tell the cells, components and types of muscle and nerve tissue, which features the germ leaf develops
12. Describe the dermis, epidermis cells together with their properties
13. To be able to define the stages of human embryo development
14. To be able to explain the basic concepts of psychiatry, to explain the functioning of the mind
15. To be able to show the muscles in the body and to distinguish the vessels and nerves of these muscles
16. Keeping the experimental animal properly and be able to prepare the preparation of nerve muscle junction in frog
17. To be able to examine tissues under microscope
18. Be aware of group work and cooperation in practical applications
19. Be aware of the need to comply with ethical rules when working with experimental animals
20. To be able to understand the importance of mental health in health concept

| 1. Hafta | 15.04.2023 MONDAY | 16.04.2023 TUESDAY | 17.04.2023 WEDNESDAY | 18.04.2023 THURSDAY | 19.04.2023 FRIDAY |
|---------------------|--|--|--|--|---|
| 08:30 – 09:20 | Free Study Time | Free Study Time | Free Study Time | Free Study Time | General Embryology Dr. Ç. Elmas |
| 09:30 – 10:20 | Connective tissue biochemistry Dr. N. Bukan | Free Study Time | Free Study Time | Free Study Time | General Embryology Dr. Ç. Elmas |
| 10:30 – 11:20 | Connective tissue biochemistry Dr. N. Bukan | General Embryology Dr. Ç. Elmas | Free Study Time | Free Study Time | General Embryology Dr. Ç. Elmas |
| 11:30 – 12:20 | Biochemistry of endothelium tissue Dr. C. Karakaya | General Embryology Dr. Ç. Elmas | Free Study Time | Free Study Time | General Embryology Dr. Ç. Elmas |
| 13:30 – 14:20 | ENGLISH | Introduction to muscles Dr. K. Atalar | Superficial structures of the neck Dr. M. Bahçelioğlu | Deep structures of the neck Dr. M. Bahçelioğlu | Exam evaluation and coordination feedback meeting |
| 14:30 – 15:20 | | Spinal cord and spinal nerves Dr. K. Atalar | Superficial structures of the neck Dr. M. Bahçelioğlu | Deep structures of the neck Dr. M. Bahçelioğlu | Free Study Time |
| 15:30 – 16:20 | ELECTIVE COURSES | Free Study Time | Free Study Time | Physiology of peripheral nervous system Dr. A. M. Sevgili | Free Study Time |
| 16:30 – 17:20 | | Free Study Time | 16:30-17:20 Turkish Language | Physiology of peripheral nervous system Dr. A. M. Sevgili | Free Study Time |
| | | 18:00 – 18:50 Ataturk's Principles and History of His Revolutions | | | |

| 2. Hafta | 22.04.2023 MONDAY | 23.04.2023 TUESDAY | 24.04.2023 WEDNESDAY | 25.04.2023 THURSDAY | 26.04.2023 FRIDAY | |
|---------------------|--|--|---|---|--|--|
| 08:30 – 09:20 | Free Study Time | 23 NİSAN ULUSAL EGEMENLİK VE ÇOCUK BAYRAMI | Conduction properties of peripheral nervous system Dr. A. M. Sevgili | Free Study Time Phase II committee exam | Free Study Time Phase II committee exam | |
| 09:30 – 10:20 | Muscles of facial expression and mastication Dr. M. Bahçelioğlu | | Synapses and types of synapses Dr. A. M. Sevgili | | | |
| 10:30 – 11:20 | General Embryology Dr. Ç. Elmas | | Muscle Dr. Z. Yiğman | | | |
| 11:30 – 12:20 | General Embryology Dr. Ç. Elmas | | Muscle Dr. Z. Yiğman | | | |
| 13:30 – 14:20 | ENGLISH | | 23 NİSAN | Superficial muscles of the neck and back Dr. K. Atalar | Nervous Tissue Dr. Z. Yiğman | Nervous Tissue Dr. Z. Yiğman |
| 14:30 – 15:20 | | | ULUSAL | Deep muscles of the neck and back Dr. K. Atalar | Nervous Tissue Dr. Z. Yiğman | Pectoral region and the breast Dr. K. Atalar |
| 15:30 – 16:20 | ELECTIVE COURSES | | VE ÇOCUK | Free Study Time | Free Study Time | Axioappendicular and scapulohumeral muscles Dr. K. Atalar |
| 16:30 – 17:20 | | | BAYRAMI | 16:30-17:20 Turkish Language | Free Study Time | Free Study Time |

| 3. Hafta | 29.04.2023 MONDAY | 30.04.2023 TUESDAY | 01.05.2023 WEDNESDAY | 02.05.2023 THURSDAY | 03.05.2023 FRIDAY |
|---------------------|---------------------------------------|---|--|------------------------|--|
| 08:30 – 09:20 | Free Study Time | Free Study Time | 1 MAYIS EMEK VE DAYANIŞMA GÜNÜ | Anatomy Lab. 2 | Properties of synaptic conduction Dr. A. M. Sevgili |
| 09:30 – 10:20 | Axilla Dr. M. Bahçelioğlu | Free Study Time | | | Properties of synaptic conduction Dr. A. M. Sevgili |
| 10:30 – 11:20 | Brachial plexus Dr. M. Bahçelioğlu | Turkish Language Mid-term Exam | | | General Embryology Dr. Ç. Elmas |
| 11:30 – 12:20 | Brachial plexus Dr. M. Bahçelioğlu | | | | General Embryology Dr. Ç. Elmas |
| 13:30 – 14:20 | ENGLISH Mid-term Exam | Anatomy Lab. 1 Histology Lab. Muscle Tissue | 1 MAYIS EMEK VE DAYANIŞMA GÜNÜ | Free Study Time | Ataturk's Principles and History of His Revolutions Mid-term Exam |
| 14:30 – 15:20 | | | | Free Study Time | |
| 15:30 – 16:20 | Elective courses Mid-term Exams | | | Free Study Time | Free Study Time |
| 16:30 – 17:20 | | | | Free Study Time | Free Study Time |
| | | | | | |

| 4. Hafta | 06.05.2023 MONDAY | 07.05.2023 TUESDAY | 08.05.2023 WEDNESDAY | 09.05.2023 THURSDAY | 10.05.2023 FRIDAY |
|---------------------|---|--|-------------------------|---|--|
| 08:30 – 09:20 | Synaptic integration Dr. A. M. Sevgili | Histology Lab. Nervous Tissue | Anatomy Lab. 3 | GELİŞİM SINAVI Free Study Time | Free Study Time |
| 09:30 – 10:20 | Synaptic integration Dr. A. M. Sevgili | | | | Palm of the hand Dr. M. Bahçelioğlu |
| 10:30 – 11:20 | Clinical anatomy Dr. M. Bahçelioğlu | | | | Sensorial receptors Dr. A. M. Sevgili |
| 11:30 – 12:20 | Clinical anatomy Dr. M. Bahçelioğlu | | | | Sensorial receptors Dr. A. M. Sevgili |
| | | | | | |
| 13:30 – 14:20 | General Embryology Dr. Ç. Elmas | Anterior and posterior compartment of the arm Dr. M. Bahçelioğlu | Anatomy Lab. 4 | Anterior compartment of the forearm Dr. M. Bahçelioğlu | General Embryology Dr. Ç. Elmas |
| 14:30 – 15:20 | General Embryology Dr. Ç. Elmas | General Embryology Dr. Ç. Elmas | | Anterior compartment of the forearm Dr. M. Bahçelioğlu | General Embryology Dr. Ç. Elmas |
| 15:30 – 16:20 | Free Study Time | General Embryology Dr. Ç. Elmas | | General Embryology Dr. Ç. Elmas | Free Study Time |
| 16:30 – 17:20 | Free Study Time | Free Study Time | | General Embryology Dr. Ç. Elmas | Free Study Time |
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| 5. Hafta | 13.05.2023 MONDAY | 14.05.2023 TUESDAY | 15.05.2023 WEDNESDAY | 16.05.2023 THURSDAY | 17.05.2023 FRIDAY |
|---------------------|---|--|---|------------------------|---|
| 08:30 – 09:20 | Autonomic nervous system Dr. A. M. Sevgili | Anatomy Lab. 5 | Free Study Time | ÖĞRENCİ SEMPOZYUMU | Free Study Time Phase 3 committee exam |
| 09:30 – 10:20 | Autonomic nervous system Dr. A. M. Sevgili | | Clinical anatomy Dr. M. Bahçelioğlu | | |
| 10:30 – 11:20 | Posterior compartment of the forearm and dorsum of the hand Dr. M. Bahçelioğlu | | Clinical anatomy Dr. M. Bahçelioğlu | | |
| 11:30 – 12:20 | Posterior compartment of the forearm and dorsum of the hand Dr. M. Bahçelioğlu | | Neuromuscular junction Dr. A. M. Sevgili | | |
| 13:30 – 14:20 | ENGLISH | Anatomy Lab. 6 | Skeletal muscle and contraction theories Dr. A. M. Sevgili | ÖĞRENCİ SEMPOZYUMU | Integument Dr. Z. Yiğman |
| 14:30 – 15:20 | | | Skeletal muscle and contraction theories Dr. A. M. Sevgili | | Integument Dr. Z. Yiğman |
| 15:30 – 16:20 | ELECTIVE COURSES | | Free Study Time | | Free Study Time |
| 16:30 – 17:20 | | | 16:30-17:20 Turkish Language | | Free Study Time |
| | | 18:00 – 18:50 Ataturk's Principles and History of His Revolutions | | | |

| 6. Hafta | 20.05.2023 MONDAY | 21.05.2023 TUESDAY | 22.05.2023 WEDNESDAY | 23.05.2023 THURSDAY | 24.05.2023 FRIDAY |
|---------------------|----------------------|--|---|---|--|
| 08:30 – 09:20 | Anatomy Lab. 7 | Lumbosacral plexus Dr. K. Atalar | Anteromedial compartment of the thigh Dr. K. Atalar | Histology Lab. Make-Up | Psychosexual and psychosocial development Dr. A. Kuruoğlu |
| 09:30 – 10:20 | | Lumbosacral plexus Dr. K. Atalar | Anteromedial compartment of the thigh Dr. K. Atalar | | Psychosexual and psychosocial development Dr. A. Kuruoğlu |
| 10:30 – 11:20 | | Muscle tissue biochemistry Dr. A. Sepici Dinçel | Mechanical properties of skeletal muscle Dr. A. M. Sevgili | | Anterolateral compartment of the leg Dr. K. Atalar |
| 11:30 – 12:20 | | Muscle tissue biochemistry Dr. A. Sepici Dinçel | Mechanical properties of skeletal muscle Dr. A. M. Sevgili | | Posterior compartment of the leg Dr. K. Atalar |
| 13:30 – 14:20 | ENGLISH | Anatomy Lab. 8 Group A Histology Lab. Make-Up Group B | Psychiatric History Dr. B. Çoşar | Gluteal region Dr. K. Atalar | Nerve tissue biochemistry Dr. K. Ünal |
| 14:30 – 15:20 | | | Free Study Time | Posterior compartment of the thigh Dr. K. Atalar | Physiology of smooth muscle Dr. A. M. Sevgili |
| 15:30 – 16:20 | ELECTIVE COURSES | Anatomy Lab. 8 Group B Histology Lab. Make-Up Group A | Free Study Time | Mechanical properties of skeletal muscle Dr. A. M. Sevgili | Physiology of smooth muscle Dr. A. M. Sevgili |
| 16:30 – 17:20 | | | 16:30-17:20 Turkish Language | Mechanical properties of skeletal muscle Dr. A. M. Sevgili | Free Study Time |
| 17:30 – 18:10 | | 18:00 – 18:50 Ataturk's Principles and History of His Revolutions | | | |

| 7. Hafta | 27.05.2023 MONDAY | 28.05.2023 TUESDAY | 29.05.2023 WEDNESDAY | 30.05.2023 THURSDAY | 31.05.2023 FRIDAY |
|---------------------|--|--|---------------------------------------|---------------------------------|-------------------------------|
| 08:30 – 09:20 | Personality and defence mechanisms Dr. İ. Ertek Ekmekçi | Anatomy Lab. 9 | Anatomy Lab. 10 | Physiology Lab. Skeletal Muscle | Physiology Lab. Smooth Muscle |
| 09:30 – 10:20 | Personality and defence mechanisms Dr. İ. Ertek Ekmekçi | | | | |
| 10:30 – 11:20 | Clinical and radiographic anatomy Dr. M. Bahçelioğlu | | | | |
| 11:30 – 12:20 | Clinical and radiographic anatomy Dr. M. Bahçelioğlu | | | | |
| 13:30 – 14:20 | ENGLISH | Anatomy of the foot Dr. K. Atalar | Mind and Brain Dr. M. Küçükrapınar | Physiology Lab. Skeletal Muscle | Physiology Lab. Smooth Muscle |
| 14:30 – 15:20 | | Anatomy of the foot Dr. K. Atalar | Mind and Brain Dr. M. Küçükrapınar | | |
| 15:30 – 16:20 | ELECTIVE COURSES | Free Study Time | Free Study Time | Physiology Lab. Skeletal Muscle | Physiology Lab. Smooth Muscle |
| 16:30 – 17:20 | | Free Study Time | 16:30-17:20 Turkish Language | | |
| 17:30 – 18:10 | | 18:00 – 18:50 Ataturk's Principles and History of His Revolutions | | | |

| 8. Hafta | 03.06.2023 MONDAY | 04.06.2023 TUESDAY | 05.06.2023 WEDNESDAY | 06.06.2023 THURSDAY | 07.06.2023 FRIDAY |
|---------------------|----------------------|---|--|--|----------------------|
| 08:30 – 09:20 | Anatomy Lab. 11 | TISSUE BIOLOGY COMMITTEE - 2 Applied Exams | TISSUE BIOLOGY COMMITTEE - 2 Applied Exams | TISSUE BIOLOGY COMMITTEE - 2 Theoretical Exams | Free Study Time |
| 09:30 – 10:20 | | | | | |
| 10:30 – 11:20 | | | | | |
| 11:30 – 12:20 | | | | | |
| 13:30 – 14:20 | ENGLISH | TISSUE BIOLOGY COMMITTEE - 2 Applied Exams | TISSUE BIOLOGY COMMITTEE - 2 Applied Exams | Free Study Time | Free Study Time |
| 14:30 – 15:20 | | | | | |
| 15:30 – 16:20 | ELECTIVE COURSES | | 16:30-17:20 Turkish Language | | |
| 16:30 – 17:20 | | | | | |
| 17:30 – 18:10 | | 18:00 – 18:50 Ataturk's Principles and History of His Revolutions | | | |