

GAZI UNIVERSITY FACULTY OF MEDICINE

2021-2022 EDUCATIONAL YEAR

YEAR II

NEUROLOGICAL SCIENCES COMMITTEE (13 September -27 October 2021)

COURSES	THEORETICAL	LAB	TOTAL
Anatomy	46	8 X 9	54
Biophysics	10		10
Histology and Embryology	11	3 x 9	14
Physiology	39	4 x 9	43
Medical History and Ethics	4		4
TOTAL	110	15	125
Elective Lectures	6		6
Medical English	6		6
TOTAL	122	15	137

22.10.2021	Friday	Phase II Applied Exam	Time: 08.30
25.10.2021	Monday	Phase II Applied Exam	Time: 08.30
26.10.2021	Tuesday	Phase II Applied Exam	Time: 08.30
27.10.2021	Wednesday	Phase II Theoretical Exam	Time: 09.30

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
Phase II Coordinator	Assoc. Prof. Dr.Gökçe S. ÖZTÜRK FİNCAN
Assistant Phase II Coordinator	Assist. Prof.Dr.Zeynep YIĞMAN
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

NEUROLOGICAL SCIENCES COMMITTEE

Aim

To be able to tell the anatomical, histological and physiological information about the embryonic development, developmental anomalies and malformations of the nervous system, the structures and functions of the central nervous system, to be able to explain the clinical connections, to be aware of the deontology, basic concepts and professional rules

LEARNING OUTCOMES

Knowledge Based

To be able to:

LO-200-1-1 explain legislation for the practice of the medical profession, basic knowledge of medicine, approaches to medicine, physician-patient relationship (evolutionary development and current situation, expected physician-patient relationship)

LO-200-1-2 list how the nervous system develops from germ layers during each week of development

LO-200-1-3 say the anatomical location of central nervous system structures

LO-200-1-4 describe the histological properties of central nervous system cells

LO-200-1-5 explain how the motor and sensory functions of the nervous system occur at the level of the medulla spinalis, brainstem and cortex

LO-200-1-6 count cranial nerves

LO-200-1-7 describe the histological and anatomical structure of the brain, tell the role of motor control and motor learning and related mechanisms

LO-200-1-8 describe the histological structure of spinal cord of medulla, describe descending pathways, define spinal reflexes

LO-200-1-9 describe eye anatomy and visual pathways, ear anatomy and hearing pathways, describe the physiological mechanisms of vision and hearing

LO-200-1-10 explain the autonomic nervous system

LO-200-1-11 explain the advanced functions of the nervous system, such as conditioned reflexes, learning and memory, with physiological mechanisms

LO-200-1-12 discuss the electrical properties of EEG and brain

Application Based (practical skills)

LO-200-1-13 able to distinguish and show macroscopic and microscopic structures of the central nervous system

LO-200-1-14 can practise the anatomical structure of ear and eye

LO-200-1-15 must be able to distinguish the gray and white layers of the brain at microscope

LO-200-1-16 distinguish gray and white layers of medulla spinalis, front and rear horn on microscope

LO-200-1-17 must show physiological, histological features of eye and ear

LO-200-1-18 must be able to prepare decerebre and spinal frog preparations. M. Spinalis reflexes should be shown on experiment animal

LO-200-1-19 can show various reflexes in man

LO-200-1-20 be able to distinguish reaction time and reflex time

Skills Based (intellectual and transferable skills)

LO-200-1-21 be aware of the importance of cadaver use in anatomy education

LO-200-1-22 consider the role of microscopy in histology education

LO-200-1-23 be aware of the importance of ethical rules in the use of experimental animals and practices on human beings

MEMBERS OF COMMITTEE

ANATOMY	BIOPHYSICS	HISTOLOGY & EMBRYLOGY	PHYSIOLOGY	MEDICAL HISTORY AND ETHICS
DR.MELTEM BAHÇELİOĞLU	DR. ONUR İNAM	DR. ZEYNEP YIĞMAN	DR. MELTEM SEVGİLİ	Dr . Nesrin ÇOBANOĞLU
DR. KEREM ATALAR		DR. S. ESRA ÖZKOÇER	DR. PELİN TÜRKKAN	
DR. ECE ALİM		DR. DUYGU DAYANIR	DR. HİLAL KORKMAZ	

ANATOMY LABORATORY	HISTOLOGY & EMBRYLOGY	PHYSIOLOGY LABORATORY
DR.MELTEM BAHÇELİOĞLU	DR. ÇIĞDEM ELMAS	DR. MELTEM SEVGİLİ
DR. KEREM ATALAR	DR. ZEYNEP YIĞMAN	DR. PELİN TÜRKKAN
DR. ECE ALİM	DR. S. ESRA ÖZKOÇER	DR. HİLAL KORKMAZ
	DR. DUYGU DAYANIR	

Elective Course Coordinator

Assoc. Prof. Dr .Ergin DİLEKÖZ

Grup A

111302084 - 191302090

Grup B

191302092 - 201302722

1 th week	13.09.2021 MONDAY	14.09.2021 TUESDAY Grup A	15.09.2021 WEDNESDAY Grup B	16.09.2021 THURSDAY Grup A	17.09.2021 FRIDAY Grup B
08:30-09:15	FREE STUDY TIME	FREE STUDY TIME	Cerebellum DR. ALİM	Interdisciplinary Sciences and Biophysics Dr. İNAM	FREE STUDY TIME
09:30-10:15	General morphology of the nervous system DR. BAHÇELIOĞLU	Medulla oblongata, pons, and 4.ventricle DR. BAHÇELIOĞLU	Cerebellum DR. ALİM	Interdisciplinary Sciences and Biophysics Dr. İNAM	The functions of thalamus and somatosensory cortex Dr. SEVGİLİ
10:30-11:15	General morphology of the nervous system DR. BAHÇELIOĞLU	Medulla oblongata, pons, and 4.ventricle DR. BAHÇELIOĞLU	Introduction to the Concepts of Ethics-Deontology-Bioethics-Morals Dr.ÇOBANOĞLU	Diencephalon and 3rd ventricle DR. ATALAR	Nervous system histology Dr. DAYANIR
11:30-12:15	DÖNEM II KOOR. TANIŞMA	Medulla oblongata, pons, and 4.ventricle DR. BAHÇELIOĞLU	Medical Methodology Dr.ÇOBANOĞLU	Diencephalon and 3rd ventricle DR. ATALAR	Nervous system histology Dr. DAYANIR
13:30-14:15	Nervous system Embryology DR. YİĞMAN	General organization of central nervous system Dr. SEVGİLİ	Mesencephalon DR. BAHÇELIOĞLU	Somatovisseral sensory system Dr. SEVGİLİ	Pain sensation Dr. SEVGİLİ
14:30-15:15	Nervous system Embryology DR. YİĞMAN	Somatovisseral sensory system Dr. SEVGİLİ	Mesencephalon DR. BAHÇELIOĞLU	Somatovisseral sensory system Dr. SEVGİLİ	Pain sensation Dr. SEVGİLİ
15:30-16:15	Nervous system Embryology DR. YİĞMAN	FREE STUDY TIME	FREE STUDY TIME	Nervous system histology Dr. DAYANIR	Telencefalın, basal nuclei and lateral ventricles DR. ALİM
16:30-17:15	Internal structure of the spinal cord DR. ATALAR	FREE STUDY TIME	FREE STUDY TIME	Nervous system histology Dr. DAYANIR	Telencefalın, basal nuclei and lateral ventricles DR. ALİM

2 nd week	20.09.2021 MONDAY Grup A	21.09.2021 TUESDAY Grup B	22.09.2021 WEDNESDAY Grup A	23.09.2021 THURSDAY	24.09.2021 FRIDAY Grup B
08:30-09:15	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME	Anatomy Lab (1)	CNS ascending and descending tracts Dr.BAHÇELIOĞLU
09:30-10:15	The control of motor function by medulla spinalis Dr. SEVGİLİ	CNS ascending and descending tracts Dr.BAHÇELIOĞLU	FREE STUDY TIME	Anatomy Lab (1)	CNS ascending and descending tracts Dr.BAHÇELIOĞLU
10:30-11:15	Telencefalon, basal nuclei and lateral ventricles DR.ALİM	CNS ascending and descending tracts Dr.BAHÇELIOĞLU	Motor cortex Dr. SEVGİLİ	Anatomy Lab(1)	Cranial nerves DR.ALİM
11:30-12:15	Telencefalon, basal nuclei and lateral ventricles DR.ALİM	CNS ascending and descending tracts Dr.BAHÇELIOĞLU	Descending control of spinal motor systems Dr. SEVGİLİ	Anatomy Lab (1)	Cranial nerves DR.ALİM
13:30-14:15	The control of motor function by medulla spinalis Dr. SEVGİLİ	The control of motor function by brain stem Dr. SEVGİLİ	Medicine and Medical Scientific Knowledge Dr.ÇOBANOĞLU	Histology Lab (1)	Descending control of spinal motor systems Dr. SEVGİLİ
14:30-15:15	The control of motor function by medulla spinalis Dr. SEVGİLİ	The control of motor function by brain stem Dr. SEVGİLİ	Physician-Patient Relationship Dr.ÇOBANOĞLU	Histology Lab (1)	Descending control of spinal motor systems Dr. SEVGİLİ
15:30-16:15	FREE STUDY TIME	The control of motor function by brain stem Dr. SEVGİLİ	FREE STUDY TIME	Histology Lab (1)	FREE STUDY TIME
16:30-17:15	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME	Histology Lab (1)	FREE STUDY TIME

3 rd week	27.09.2021 MONDAY Grup A	28.09.2021 TUESDAY	29.09.2021 WEDNESDAY Grup B	30.09.2021 THURSDAY Grup A	01.10.2021 FRIDAY Grup B
08:30-09:15	FREE STUDY TIME	Anatomy Lab (2)	Meninges and vessels of the brain DR. ATALAR	Cerebral cortex and high functions of the nervous system Dr.KORKMAZ	FREE STUDY TIME
09:30-10:15	The role of basal ganglia in the control of motor functions Dr. SEVGILI	Anatomy Lab (2)	Meninges and vessels of the brain DR. ATALAR	Neural plasticity Dr. KORKMAZ	Spinal meninges, vessels and cerebrospinal fluid DR. ATALAR
10:30-11:15	Cranial nerves DR.ALİM	Anatomy Lab (2)	The role of cerebellum in the control of motor functions Dr. SEVGILI	Autonomic nervous system (sympathetic) DR. BAHÇELIOĞLU	Central Control of Autonomic Function Dr. KORKMAZ
11:30-12:15	Cranial nerves DR.ALİM	Anatomy Lab (2)	The role of cerebellum in the control of motor functions Dr. SEVGILI	Autonomic nervous system (sympathetic) DR. BAHÇELIOĞLU	Central Control of Autonomic Function Dr. KORKMAZ
13:30-14:15	The role of basal ganglia in the control of motor functions Dr. SEVGILI	Physiology Lab (1)	Limbic system DR. BAHÇELIOĞLU	Autonomic nervous system (parasympathetic) DR. BAHÇELIOĞLU	Eye anatomy and visual pathways DR. ATALAR
14:30-15:15	The role of basal ganglia in the control of motor functions Dr. SEVGILI	Physiology Lab (1)	Limbic system DR. BAHÇELIOĞLU	Limbic system and monoaminergic system Dr. KORKMAZ	Eye anatomy and visual pathways DR. ATALAR
15:30-16:15	FREE STUDY TIME	Physiology Lab (1)	FREE STUDY TIME	Limbic system and monoaminergic system Dr. KORKMAZ	FREE STUDY TIME
16:30-17:15	FREE STUDY TIME	Physiology Lab (1)	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME

4 th week	04.10.2021 MONDAY	05.10.2021 TUESDAY Grup A	06.10.2021 WEDNESDAY Grup B	07.10.2021 THURSDAY	08.10.2021 FRIDAY Grup A
08:30-09:15	Anatomy Lab(3)	Eye anatomy and visual pathways DR. ATALAR	Ear anatomy and hearing pathways DR.ALİM	Anatomy Lab(4)	Visible light and optical components of eye Dr. INAM
09:30-10:15	Anatomy Lab(3)	Eye anatomy and visual pathways DR. ATALAR	Ear anatomy and hearing pathways DR.ALİM	Anatomy Lab(4)	Visible light and optical components of eye Dr. INAM
10:30-11:15	Anatomy Lab(3)	Clinical and radiographic Anatomy Dr. BAHÇELIOĞLU	Eye emb. and histology Dr. ÖZKOÇER	Anatomy Lab(4)	Ear anatomy and hearing pathways DR.ALİM
11:30-12:15	Anatomy Lab(3)	Clinical and radiographic Anatomy Dr.BAHÇELIOĞLU	Eye emb. and histology Dr. ÖZKOÇER	Anatomy Lab(4)	Ear anatomy and hearing pathways DR.ALİM
13:30-14:15	Physiology Lab (2)	ONLINE COURSES ELECTIVE COURSES TIME: 15:30-16:30 ENGLISH TIME: 17:30-18:20	Physiology of Sleep Dr. KORKMAZ	Histology Lab (2)	CSE
14:30-15:15	Physiology Lab (2)		EEG Epilepsy Dr. KORKMAZ	Histology Lab (2)	CSE
15:30-16:15	Physiology Lab (2)		FREE STUDY TIME	Histology Lab (2)	CSE
16:30-17:15	Physiology Lab (2)		FREE STUDY TIME	Histology Lab (2)	CSE

5 th week	11.10.2021 MONDAY Grup B	12.10.2021 TUESDAY Grup A	13.10.2021 WEDNESDAY Grup B	14.10.2021 THURSDAY	15.10.2021 FRIDAY Grup A
08:30-09:15	Vision Dr.TÜRKKAN	Vision Dr.TÜRKKAN	Ear emb and histology Dr. DAYANIR	Anatomy Lab(5)	Taste and olfaction Dr.TÜRKKAN
09:30-10:15	Clinical and radiographic Anatomy Dr.BAHÇELIOĞLU	Vision Dr.TÜRKKAN	Ear emb and histology Dr. DAYANIR	Anatomy Lab(5)	Taste and olfaction Dr.TÜRKKAN
10:30-11:15	Clinical and radiographic Anatomy Dr.BAHÇELIOĞLU	Retina and its photoreceptor cells, receptor potentials Dr. İNAM	Hearing and vestibular system Dr.TÜRKKAN	Anatomy Lab(5)	Ear: outer-middle and inner ear, membrana basilar Dr. İNAM
11:30-12:15	Clinical and radiographic Anatomy Dr.BAHÇELIOĞLU	Retina and its photoreceptor cells, receptor potentials Dr. İNAM	Hearing and vestibular system Dr.TÜRKKAN	Anatomy Lab(5)	Ear: outer-middle and inner ear, membrana basilar Dr. İNAM
13:30-14:15	Histology Lab (3)	ONLINE COURSES ELECTIVE COURSES TIME: 15:30-16:30 ENGLISH TIME: 17:30-18:20	Conditioned reflex, learning and memory Dr. KORKMAZ	Anatomy Lab(6)	Physiology Lab (3)
14:30-15:15	Histology Lab (3)		Conditioned reflex, learning and memory Dr. KORKMAZ	Anatomy Lab(6)	Physiology Lab (3)
15:30-16:15	Histology Lab (3)		Introduction to hearing biophysics Dr. İNAM	Anatomy Lab(6)	Physiology Lab (3)
16:30-17:15	Histology Lab (3)		Introduction to hearing biophysics Dr. İNAM	Anatomy Lab(6)	Physiology Lab (3)

6 th week	18.10.2021 MONDAY 3 RD YEAR EXAM	19.10.2021 TUESDAY	20.10.2021 WEDNESDAY	21.10.2021 THURSDAY	22.10.2021 FRIDAY
08:30-09:15	Anatomy Lab(7)	CSE	Anatomy Lab(8)	FREE STUDY TIME	PHASE II APPLIED EXAM
09:30-10:15	Anatomy Lab(7)	CSE	Anatomy Lab(8)	FREE STUDY TIME	PHASE II APPLIED EXAM
10:30-11:15	Anatomy Lab(7)	CSE	Anatomy Lab(8)	FREE STUDY TIME	PHASE II APPLIED EXAM
11:30-12:15	Anatomy Lab(7)	CSE	Anatomy Lab(8)	FREE STUDY TIME	PHASE II APPLIED EXAM
13:30-14:15	Physiology Lab (4)	ONLINE COURSES ELECTIVE COURSES TIME: 15:30-16:30 ENGLISH TIME: 17:30-18:20	FREE STUDY TIME	FREE STUDY TIME	PHASE II APPLIED EXAM
14:30-15:15	Physiology Lab (4)		FREE STUDY TIME	FREE STUDY TIME	PHASE II APPLIED EXAM
15:30-16:15	Physiology Lab (4)		FREE STUDY TIME	FREE STUDY TIME	PHASE II APPLIED EXAM
16:30-17:15	Physiology Lab (4)		FREE STUDY TIME	FREE STUDY TIME	PHASE II APPLIED EXAM

7th week	25.10.2021 MONDAY	26.10.2021 TUESDAY	27.10.2021 WEDNESDAY		
08:30-09:20	PHASE II APPLIED EXAM	PHASE II APPLIED EXAM	PHASE II THEORETICAL EXAM		
09:30-10:20	PHASE II APPLIED EXAM	PHASE II APPLIED EXAM	PHASE II THEORETICAL EXAM		
10:30-11:20	PHASE II APPLIED EXAM	PHASE II APPLIED EXAM	PHASE II THEORETICAL EXAM		
11:30-12:20	PHASE II APPLIED EXAM	PHASE II APPLIED EXAM	PHASE II THEORETICAL EXAM		
13:30-14:20	PHASE II APPLIED EXAM	PHASE II APPLIED EXAM			
14:30-15:20	PHASE II APPLIED EXAM	PHASE II APPLIED EXAM			
15:30-16:20	PHASE II APPLIED EXAM	PHASE II APPLIED EXAM			
16:30-17:20	PHASE II APPLIED EXAM	PHASE II APPLIED EXAM			