

GAZI UNIVERSITY FACULTY OF MEDICINE

YEAR 2

2024-2025 EDUCATIONAL YEAR

NEUROLOGICAL SCIENCES COMMITTEE (16 September – 04 November 2024)

COURSES	THEORETICAL	LABORATORY	PRACTICAL	TOTAL
Anatomy	46	8x2		62
Physiology	39	2X2		43
Histology and Embryology	11	3X2		17
Biophysics	10			10
Medical History and Ethics	4			4
Panel: Learning (Physiology, Medical Education and Information)	2			2
Panel: MS (Histology and Embryology, Neurology, Radiology)	1			1
TOTAL	113	26		139
Elective Courses	10			10
Medical English	10			10
Meeting with Year 2 Coordinator	1			1
INTRODUCTION TO MEDICINE				
Clinical Skills Education (CSE)			1x2	2
TOTAL	114	26	2	162
TOTAL FREE STUDY TIME	116 hours			

34 work days

30.10.2024	Wednesday	YEAR 2 Applied Exam	Time: 08.30
31.10.2024	Thursday	YEAR 2 Applied Exam	Time: 08.30
01.11.2024	Friday	YEAR 2 Applied Exam	Time: 08.30
04.11.2024	Monday	YEAR 2 Theoretical Exam	Time: 09.30

Dean	Prof.Dr. Alper CEYLAN
Vice Dean	Assoc.Prof.Dr. Nazmi Mutlu KARAKAŞ
Vice Dean	Assoc.Prof.Dr. Asiye UĞRAŞ DİKMEN
Head Coordinator	Prof.Dr. Çiğdem ÖZER
Assistant Head Coordinator	Prof.Dr. Akif Muhtar ÖZTÜRK
Assistant Head Coordinator (ENG)	Prof.Dr. Mehmet Ali ERGÜN
Year 2Coordinator	Assist. Prof. Dr. S.Esra ÖZKOÇER
Assistant Year 2 Coordinator	Assist. Prof. Dr. Zeynep YIĞMAN (Eng)
Assistant Year 2 Coordinator	Teach. Assist. Dr. Pelin TÜRKKAN
Assistant Year 2 Coordinator	Teach. Assist. Dr. Nihan ÖRÜKLÜ
Assistant Year 2 Coordinator	Teach. Assist. Dr. Ayşe SOYLU

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. Elçin ÖZGÜR BÜYÜKATALAY	Dr. C. Merve SEYMEN	Dr. Meltem SEVGİLİ	Dr. Namık ÇENCEN
Dr. Kerem ATALAR		Dr. Zeynep YIĞMAN	Dr. Pelin TÜRKKAN	
		Dr. Duygu DAYANIR		

ANATOMY LABORATORY	HISTOLOGY & EMBRYLOGY	PHYSIOLOGY LABORATORY
Dr. Meltem BAHÇELİOĞLU	Dr. Gülnur TAKE KAPLANOĞLU	Dr. Meltem SEVGİLİ
Dr. Kerem ATALAR	Dr. Çiğdem ELMAS	Dr. Pelin TÜRKKAN
Dr. Ayşe SOYLU	Dr. Cemile Merve SEYMEN	
Dr. Onur ARAS	Dr. Zeynep YIĞMAN	
	Dr. Duygu DAYANIR	
	Dr. Esra ÖZKOÇER	

Clinical Skills Education Coordinator	Prof. Dr. Nurten İNAN
Elective Course Coordinator	Assoc. Prof. Dr. Ergin DİLEKÖZ

1 th week	Monday 16 .09. 2024	Tuesday 17 .09. 2024	Wednesday 18 .09. 2024	Thursday 19 .09. 2024	Friday 20 .09. 2024
08:30-09:20	Meeting With Year 2 Coordinators	Free Study Time	Free Study Time	Free Study Time	Free Study Time
09:30-10:20	General morphology of the nervous system DR. ATALAR	Medulla oblongata, pons, and 4.ventricle DR. ATALAR	Nervous system histology Dr DAYANIR	Free Study Time	Free Study Time
10:30-11:20	General morphology of the nervous system DR. ATALAR	Medulla oblongata, pons, and 4.ventricle DR. ATALAR	Nervous system histology Dr DAYANIR	Mesencephalon DR. ATALAR	Diencephalon and 3rd ventricle DR. ATALAR
11:30-12:20	Internal structure of the spinal cord DR. ATALAR	Medulla oblongata, pons, and 4.ventricle DR. ATALAR	Somato-visceral sensory system Dr. SEVGİLİ	Mesencephalon DR. ATALAR	Diencephalon and 3rd ventricle DR. ATALAR
13:30-14:20	General organization of central nervous system Dr. SEVGİLİ	Nervous system histology Dr DAYANIR	Somato-visceral sensory system Dr. SEVGİLİ	Cerebellum Dr. ATALAR	The functions of thalamus and somatosensory cortex Dr. SEVGİLİ
14:30-15:20	General organization of central nervous system Dr. SEVGİLİ	Nervous system histology Dr DAYANIR	Somato-visceral sensory system Dr. SEVGİLİ	Cerebellum Dr. ATALAR	Pain sensation Dr. SEVGİLİ
15:30-16:20	Free Study Time	Free Study Time	Free Study Time	Free Study Time	Free Study Time
16:30-17:20	Free Study Time	Free Study Time	Free Study Time	Free Study Time	Free Study Time

2 nd week	Monday 23 .09. 2023	Tuesday 24 .09. 2023	Wednesday 25 .09. 2023	Thursday 26 .09. 2023	Friday 27 .09. 2023
08:30-09:20	Telencefalon, basal nuclei and lateral ventricles Dr. ATALAR	Free Study Time	CNS ascending and descending tracts Dr.BAHÇELIOĞLU	Anatomy Lab 2 (GroupC&D)	Free Study Time
09:30-10:20	Telencefalon, basal nuclei and lateral ventricles Dr. ATALAR	CNS ascending and descending tracts Dr.BAHÇELIOĞLU	CNS ascending and descending tracts Dr.BAHÇELIOĞLU	Anatomy Lab 2 (GroupC&D)	Free Study Time
10:30-11:20	Pain sensation Dr. SEVGİLİ	CNS ascending and descending tracts Dr.BAHÇELIOĞLU	The control of motor function by medulla spinalis Dr. SEVGİLİ	Anatomy Lab 2 (GroupA&B)	Motor cortex Dr. SEVGİLİ
11:30-12:20	The control of motor function by medulla spinalis Dr. SEVGİLİ	CNS ascending and descending tracts Dr.BAHÇELIOĞLU	The control of motor function by medulla spinalis Dr. SEVGİLİ	Anatomy Lab 2 (GroupA&B)	Descending control of spinal motor systems Dr. SEVGİLİ
13:30-14:20	Telencefalon, basal nuclei and lateral ventricles Dr. ATALAR	Medical English	Anatomy Lab 1 (GroupA&B)	The control of motor function by brain stem Dr. SEVGİLİ	Cranial nerves Dr.BAHÇELIOĞLU
14:30-15:20	Telencefalon, basal nuclei and lateral ventricles Dr. ATALAR	Medical English	Anatomy Lab 1 (GroupA&B)	The control of motor function by brain stem Dr. SEVGİLİ	Cranial nerves Dr BAHÇELIOĞLU
15:30-16:20	Free Study Time	Elective Courses	Anatomy Lab 1 (GroupC&D)	Introduction to the Concepts of Ethics-Deontology-Bioethics-Morals Dr.ÇENÇEN	Medicine and Medical Scientific Knowledge Dr.ÇENÇEN
16:30-17:20	Free Study Time	Elective Courses	Anatomy Lab 1 (GroupC&D)	Medical Methodology Dr.ÇENÇEN	Physician-Patient Relationship Dr.ÇENÇEN

3 rd week	Monday 30.09. 2024	Tuesday 01.10. 2024	Wednesday 02.10. 2024	Thursday 03.10.2024	Friday 04 .10. 2024
08:30-09:20	Cranial nerves Dr. BAHÇELIOĞLU	Free Study Time	Anatomy Lab 3 (GroupA&B) Histology Lab 1 (GroupC&D)	Free Study Time	Eye anatomy and visual pathways DR. ATALAR
09:30-10:20	Cranial nerves Dr. BAHÇELIOĞLU	Autonomous nervous system (sympathetic) DR. BAHÇELIOĞLU	Anatomy Lab 3 (GroupA&B) Histology Lab 1 (GroupC&D)	Free Study Time	Eye anatomy and visual pathways DR. ATALAR
10:30-11:20	Descending control of spinal motor systems Dr. SEVGİLİ	Autonomous nervous system (sympathetic) DR. BAHÇELIOĞLU	Anatomy Lab 3 (GroupC&D) Histology Lab 1 (GroupA&B)	Limbic system DR. BAHÇELIOĞLU	Cerebral cortex and high functions of the nervous system Dr. SEVGİLİ
11:30-12:20	Descending control of spinal motor systems Dr. SEVGİLİ	Autonomous nervous system (parasympathetic) DR. BAHÇELIOĞLU	Anatomy Lab 3 (GroupC&D) Histology Lab 1 (GroupA&B)	Limbic system DR. BAHÇELIOĞLU	Cerebral cortex and high functions of the nervous system Dr. SEVGİLİ
13:30-14:20	Meninges and vessels of the brain DR. ATALAR	Medical English	The role of basal ganglia in the control of motor functions Dr. SEVGİLİ	The role of cerebellum in the control of motor functions Dr. SEVGİLİ	Anatomy Lab4 (GroupC&D)
14:30-15:20	Meninges and vessels of the brain DR. ATALAR	Medical English	The role of basal ganglia in the control of motor functions Dr. SEVGİLİ	The role of cerebellum in the control of motor functions Dr. SEVGİLİ	Anatomy Lab 4 (GroupC&D)
15:30-16:20	Spinal meninges, vessels and cerebrospinal fluid DR. ATALAR	Elective Courses	Free Study Time	Free Study Time	Anatomy Lab 4 (GroupA&B)
16:30-17:20	Free Study Time	Elective Courses	Free Study Time	Free Study Time	Anatomy Lab 4 (GroupA&B)

4 th week	Monday 07.10. 2024	Tuesday 08.10. 2024	Wednesday 09.10. 2024	Thursday 10.10.2024	Friday 11 .10. 2024
08:30-09:20	Physiology Lab 1 (Group A)	Anatomy Lab 5 (GroupA&B) Physiology Lab 1 (Group D)	Nervous system Embryology Dr.YIĞMAN	Free Study Time	Central Control of Autonomic Function Dr. SEVGİLİ
09:30-10:20	Physiology Lab 1(Group A)	Anatomy Lab 5 (GroupA&B) Physiology Lab 1 (Group D)	Nervous system Embryology Dr.YIĞMAN	Nervous system Embryology Dr.YIĞMAN	Central Control of Autonomic Function Dr. SEVGİLİ
10:30-11:20	Physiology Lab 1(Group C)	Anatomy Lab 5 (GroupC&D) Physiology Lab 1 (Group B)	Eye anatomy and visual pathways DR. ATALAR	Physiology of Sleep Dr. SEVGİLİ	Ear and hearing pathways DR. BAHÇELIOĞLU
11:30-12:20	Physiology Lab 1(Group C)	Anatomy Lab 5 (GroupC&D) Physiology Lab 1 (Group B)	Eye anatomy and visual pathways DR. ATALAR	EEG Epilepsy Dr. SEVGİLİ	Ear and hearing pathways DR. BAHÇELIOĞLU
13:30-14:20	Neural plasticity Dr. SEVGİLİ	Medical English	Limbic system and monoaminergic system Dr. SEVGİLİ	Eye emb. and histology Dr.SEYMEN	Interdisciplinary Sciences and Biophysics Dr. ÖZGÜR BÜYÜKATALAY
14:30-15:20	Conditioned reflex, learning and memory Dr. SEVGİLİ	Medical English	Limbic system and monoaminergic system Dr. SEVGİLİ	Eye emb. and histology Dr. SEYMEN	Interdisciplinary Sciences and Biophysics Dr. ÖZGÜR BÜYÜKATALAY
15:30-16:20	Conditioned reflex, learning and memory Dr. SEVGİLİ	Elective Courses	Free Study Time	Free Study Time	Free Study Time
16:30-17:20	Free Study Time	Elective Courses	Free Study Time	Free Study Time	Free Study Time

5 th week	Monday 14 .10. 2024	Tuesday 15 .10. 2024	Wednesday 16 .10. 2024	Thursday 17 .10. 2024	Friday 18 .10. 2024
08:30-09:20	Free Study Time	Anatomy Lab 6 (GroupC&D) Histology Lab 2 (GroupA&B)	Vision Dr. TÜRKKAN	Panel: Learning	Vision Dr. TÜRKKAN
09:30-10:20	Ear and hearing pathways DR. BAHÇELIOĞLU	Anatomy Lab6 (GroupC&D) Histology Lab 2 (GroupA&B)	Vision Dr.TÜRKKAN	Panel: Learning	Clinical and Radiographic Anatomy Dr.BAHÇELIOĞLU
10:30-11:20	Ear and hearing pathways DR. BAHÇELIOĞLU	Anatomy Lab 6 (GroupA&B) Histology Lab 2 (GroupC&D)	Clinical and Radiographic Anatomy Dr.BAHÇELIOĞLU	Ear emb and histology Dr. DAYANIR	Clinical and Radiographic Anatomy Dr.BAHÇELIOĞLU
11:30-12:20	Panel:MS	Anatomy Lab 6 (GroupA&B) Histology Lab 2 (GroupC&D)	Clinical and Radiographic Anatomy Dr.BAHÇELIOĞLU	Ear emb and histology Dr. DAYANIR	Clinical and Radiographic Anatomy Dr.BAHÇELIOĞLU
13:30-14:20	Free Study Time	Medical English	Visible light and optical components of eye Dr. ÖZGÜR BÜYÜKATALAY	Retina and its photoreceptor cells, receptor potentials Dr. ÖZGÜR BÜYÜKATALAY	Introduction to hearing biophysics Dr. ÖZGÜR BÜYÜKATALAY
14:30-15:20	Free Study Time	Medical English	Visible light and optical components of eye Dr. ÖZGÜR BÜYÜKATALAY	Retina and its photoreceptor cells, receptor potentials Dr. ÖZGÜR BÜYÜKATALAY	Introduction to hearing biophysics Dr. ÖZGÜR BÜYÜKATALAY
15:30-16:20	Free Study Time	Elective Courses	Free Study Time	Free Study Time	Free Study Time
16:30-17:20	Free Study Time	Elective Courses	Free Study Time	Free Study Time	Free Study Time

6 th week	Monday 21 .10. 2024	Tuesday 22 .10. 2024	Wednesday 23 .10. 2024	Thursday 24 .10. 2024	Friday 25 .10. 2024
08:30-09:20	Free Study Time	CSE	Free Study Time	Anatomy Lab 7 (GroupA&B) Physiology Lab 2 (GroupC)	Anatomy Lab 8 (GroupC&D) Histology Lab 3 (GroupA&B)
09:30-10:20	Free Study Time	CSE	Free Study Time	Anatomy Lab 7 (GroupA&B) Physiology Lab 2 (GroupC)	Anatomy Lab 8 (GroupC&D) Histology Lab 3 (GroupA&B)
10:30-11:20	Hearing and vestibular system Dr. TÜRKKAN	CSE	Taste and olfaction Dr. TÜRKKAN	Anatomy Lab 7 (GroupC&D) Physiology Lab 2 (GroupA)	Anatomy Lab 8 (GroupA&B) Histology Lab 3 (GroupC&D)
11:30-12:20	Hearing and vestibular system Dr. TÜRKKAN	CSE	Taste and olfaction Dr. TÜRKKAN	Anatomy Lab 7 (GroupC&D) Physiology Lab 2 (GroupA)	Anatomy Lab 8 (GroupA&B) Histology Lab 3 (GroupC&D)
13:30-14:20	Free Study Time	Medical English	Ear: outer-middle and inner ear, membrana basilar Dr. ÖZGÜR BÜYÜKATALAY	Physiology Lab 2 (GroupB)	Physiology Lab (make up)
14:30-15:20	Free Study Time	Medical English	Ear: outer-middle and inner ear, membrana basilar Dr. ÖZGÜR BÜYÜKATALAY	Physiology Lab 2(GroupB)	Physiology Lab (make up)
15:30-16:20	Free Study Time	Elective Courses	Free Study Time	Physiology Lab 2(GroupD)	Physiology Lab (make up)
16:30-17:20	Free Study Time	Elective Courses	Free Study Time	Physiology Lab 2 (GroupD)	Physiology Lab (make up)

7 th week	Monday 28 .10. 2024	Tuesday 29 .10. 2024	Wednesday 30.10.2024	Thursday 31.10.2024	Friday 01.11.2024
08:30-09:20	Free Study Time	PUBLIC HOLIDAY	YEAR 2 APPLIED EXAM	YEAR 2 APPLIED EXAM	YEAR 2 APPLIED EXAM
09:30-10:20	Free Study Time	PUBLIC HOLIDAY	YEAR 2 APPLIED EXAM	YEAR 2 APPLIED EXAM	YEAR 2 APPLIED EXAM
10:30-11:20	Free Study Time	PUBLIC HOLIDAY	YEAR 2 APPLIED EXAM	YEAR 2 APPLIED EXAM	YEAR 2 APPLIED EXAM
11:30-12:20	Free Study Time	PUBLIC HOLIDAY	YEAR 2 APPLIED EXAM	YEAR 2 APPLIED EXAM	YEAR 2 APPLIED EXAM
13:30-14:20	PUBLIC HOLIDAY	PUBLIC HOLIDAY	YEAR 2 APPLIED EXAM	YEAR 2 APPLIED EXAM	YEAR 2 APPLIED EXAM
14:30-15:20	PUBLIC HOLIDAY	PUBLIC HOLIDAY	YEAR 2 APPLIED EXAM	YEAR 2 APPLIED EXAM	YEAR 2 APPLIED EXAM
15:30-16:20	PUBLIC HOLIDAY	PUBLIC HOLIDAY	YEAR 2 APPLIED EXAM	YEAR 2 APPLIED EXAM	YEAR 2 APPLIED EXAM
16:30-17:20	PUBLIC HOLIDAY	PUBLIC HOLIDAY	YEAR 2 APPLIED EXAM	YEAR 2 APPLIED EXAM	YEAR 2 APPLIED EXAM

8 th week	Monday 04 .11. 2024	Tuesday 05 .11. 2024	Wednesday 06.11.2024	Thursday 07.11.2024	Friday 08.11.2024
08:30-09:20	YEAR 2 THEORETICAL EXAM	Respiratory and Circulatory Systems Course Board Start			
09:30-10:20	YEAR 2 THEORETICAL EXAM				
10:30-11:20	YEAR 2 THEORETICAL EXAM				
11:30-12:20	YEAR 2 THEORETICAL EXAM				
13:30-14:20	Free Study Time				
14:30-15:20	Free Study Time				
15:30-16:20	Free Study Time				
16:30-17:20	Free Study Time				