GAZI UNIVERSITY FACULTY OF MEDICINE

YEAR 2

2025-2026 EDUCATIONAL YEAR

NEUROLOGICAL SCIENCES COMMITTEE (15 September – 31 October 2025)

COURSES	THEORETICAL	LABORATORY	PRACTICAL	TOTAL
Anatomy	46	2x8		62
Physiology	39	2x2		43
Histology and Embryology	11	2x3		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 Coordinators	1			1
INTRODUCTION TO MEDICINE				
Clinical Skills Education (CSE)			2x1	2
Problem Based Learning (PBL)			12	12
TOTAL	**134**	**26**	**14**	**174**
TOTAL FREE STUDY TIME	**66 Hours**			

34 Work Days

27.10.2025	Monday	Year 2 Applied Exam
28.10.2025	Tuesday	Year 2 Applied Exam
30.10.2025	Wednesday	Year 2 Applied Exam
31.10.2025	Friday	Year 2 Theoretical Exam

Dean	Prof.Dr. Alper CEYLAN
Vice Dean	Assoc. Prof. Dr. Nazmi Mutlu KARAKAŞ
Vice Dean	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 2 Coordinator	**Prof. Dr. C. Merve SEYMEN**
Assistant Year 2 Coordinator	**Teach. Assist. Dr. Nihan ÖRÜKLÜ**
Assistant Year 2 Coordinator	**Teach. Assist. Dr. Ayşe SOYLU**
Assistant Year 2 Coordinator	**Teach. Assist. Dr. Betül MOĞULKOÇ**
Assistant Year 2 Coordinator	**Teach. Assist. Dr. Onur ARAS**

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 be able to tell from which germ layers the nervous system develops, in which week, and possible congenital anomalies

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

LO-200-1-4 describe the histological properties of central and peripheral nervous system organs

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 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 be able to describe the eye anatomy and visual pathways, the embryology and histology of the eye, the ear anatomy and auditory pathways, the embryology and histology of the ear, and be able to tell 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 structures of the central and peripheral nervous system

LO-200-1-14 ability to show macroscopic structures in the ear and eye and distinguish microscopic structures in the eye

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

LO-200-1-16 be able to distinguish the gray and white layers of the spinal cord, the anterior and posterior horns, and the peripheral nerves and ganglia under the microscope

LO-200-1-17 must be able to show the anatomical, physiological and histological features of the 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 take into consideration the role of histology laboratory rules and microscope use 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 EMBRYOLOGY	PHYSIOLOGY	MEDICAL HISTORY AND ETHICS
Dr. Meltem BAHÇELİOĞLU	Dr. Elçin ÖZGÜR BÜYÜKATALAY	Dr. Çiğdem ELMAS	Dr. A. Meltem SEVGİLİ	Dr. Namık ÇENCEN
Dr. Kerem ATALAR		Dr. C. Merve SEYMEN	Dr. Pelin TÜRKKAN	
		Dr. Zeynep YIĞMAN		
		Dr. S. Esra ÖZKOÇER		

ANATOMY LABORATORY	HISTOLOGY & EMBRYLOGY	PHYSIOLOGY LABORATORY
Dr. Meltem BAHÇELİOĞLU	Dr. Gülnur TAKE KAPLANOĞLU	Dr. A. 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. Aynur ÇOBAN	Dr. S. Esra ÖZKOÇER	

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

1 th WEEK	Monday 15.09.2025	Tuesday 16.09.2025	Wednesday 17.09.2025	Thursday 18.09.2025	Friday 19.09.2025
08:30-09:20	MEETING WITH COORDINATORS	**FREE STUDY TIME**	**FREE STUDY TIME**	**FREE STUDY TIME**	Nervous System Embryology **Dr.YIĞMAN**
09:30-10:20	General Morphology of The Nervous System **Dr. ATALAR**	Medulla Oblongata, Pons, and 4.Ventricle **Dr. ATALAR**	Nervous System Histology **Dr. SEYMEN**	The Control of Motor Function by Medulla Spinalis **Dr. SEVGİLİ**	Nervous System Embryology **Dr.YIĞMAN**
10:30-11:20	General Morphology of The Nervous System **Dr. ATALAR**	Medulla Oblongata, Pons, and 4. Ventricle **Dr. ATALAR**	Nervous System Histology **Dr. SEYMEN**	The Control of Motor Function by Medulla Spinalis **Dr. SEVGİLİ**	The Control of Motor Function by Medulla Spinalis **Dr. SEVGİLİ**
11:30-12:20	General Organization of Central Nervous System **Dr. SEVGİLİ**	Medulla Oblongata, Pons, and 4.Ventricle **Dr. ATALAR**	Somatovisseral Sensory System **Dr. SEVGİLİ**	Mesencephalon **Dr. ATALAR**	Pain Sensation **Dr. SEVGİLİ**
13:30-14:20	General Organization of Central Nervous System **Dr. SEVGİLİ**	Nervous System Histology **Dr. SEYMEN**	The Functions of Thalamus and Somatosensory Cortex **Dr. SEVGİLİ**	Mesencephalon **Dr. ATALAR**	Anatomy Lab 1 **(Group A-B)** Histology Lab 1 **(Group C-D)**
14:30-15:20	Introduction to the Concepts of Ethics-Deontology-Bioethics-Morals **Dr. ÇENÇEN**	Nervous System Histology **Dr. SEYMEN**	Cerebellum **Dr. ATALAR**	Nervous System Embryology **Dr.YIĞMAN**	Anatomy Lab 1 **(Group A-B)** Histology Lab 1 **(Group C-D)**
15:30-16:20	Internal Structure of The Spinal Cord **Dr. ATALAR**	Somatovisseral Sensory System **Dr. SEVGİLİ**	Cerebellum **Dr. ATALAR**	Medical Methodology **Dr. ÇENÇEN**	Anatomy Lab 1 **(Group C-D)** Histology Lab 1 **(Group A-B)**
16:30-17:20	**FREE STUDY TIME**	Somatovisseral Sensory System **Dr. SEVGİLİ**	**FREE STUDY TIME**	**FREE STUDY TIME**	Anatomy Lab 1 **(Group C-D)** Histology Lab 1 **(Group A-B)**

2 nd WEEK	Monday 22.09.2025	Tuesday 23.09.2025	Wednesday 24.09.2025	Thursday 25.09.2025	Friday 26.09.2025
08:30-09:20	**FREE STUDY TIME**	The Role of Basal Ganglia in The Motor Control **Dr. SEVGİLİ**	**FREE STUDY TIME**	Anatomy Lab 2 **(Group C-D)**	**FREE STUDY TIME**
09:30-10:20	Pain Sensation **Dr. SEVGİLİ**	The Role of Basal Ganglia in The Motor Control **Dr. SEVGİLİ**	**FREE STUDY TIME**	Anatomy Lab 2 **(Group C-D)**	CNS Ascending and Descending Tracts **Dr. BAHÇELIOĞLU**
10:30-11:20	Motor Cortex and Cortical Motor Areas **Dr. SEVGİLİ**	Diencephalon and 3. Ventricle **Dr. ATALAR**	Telencefalon, Basal Nuclei and Lateral Ventricles **Dr. ATALAR**	Anatomy Lab 2 **(Group A-B)**	CNS Ascending and Descending Tracts **Dr. BAHÇELIOĞLU**
11:30-12:20	Medicine and Medical Scientific Knowledge **Dr. ÇENÇEN**	Diencephalon and 3. Ventricle **Dr. ATALAR**	Telencefalon, Basal Nuclei and Lateral Ventricles **Dr. ATALAR**	Anatomy Lab 2 **(Group A-B)**	CNS Ascending and Descending Tracts **Dr. BAHÇELIOĞLU**
13:30-14:20	Physician-Patient Relationship **Dr. ÇENÇEN**	**Medical English**	CNS Ascending and Descending Tracts **Dr. BAHÇELIOĞLU**	Telencefalon, Basal Nuclei and Lateral Ventricles **Dr. ATALAR**	The Role of Cerebellum in The Motor Control **Dr. SEVGİLİ**
14:30-15:20	**FREE STUDY TIME**	**Medical English**	CNS Ascending and Descending Tracts **Dr. BAHÇELIOĞLU**	Telencefalon, Basal Nuclei and Lateral Ventricles **Dr. ATALAR**	The Role of Cerebellum in The Motor Control **Dr. SEVGİLİ**
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**

3 rd WEEK	Monday 29.09.2025	Tuesday 30.09.2025	Wednesday 01.10.2025	Thursday 02.10.2025	Friday 03.10.2025
08:30-09:20	**FREE STUDY TIME**	**FREE STUDY TIME**	Anatomy Lab 3 **(Group C-D)**	Descending Pathways of Motor Control Systems **Dr. SEVGİLİ**	**FREE STUDY TIME**
09:30-10:20	**FREE STUDY TIME**	**FREE STUDY TIME**	Anatomy Lab 3 **(Group C-D)**	EEG and Epilepsy **Dr. SEVGİLİ**	Physiology of Sleep **Dr. SEVGİLİ**
10:30-11:20	Cranial Nerves **Dr. BAHÇELIOĞLU**	Interdiciplinary Sciences and Biophysics **Dr. ÖZGÜR BÜYÜKATALAY**	Anatomy Lab 3 **(Group A-B)**	Vision **Dr. TÜRKKAN**	Ear Embryology and Histology **Dr. ELMAS**
11:30-12:20	Cranial Nerves **Dr. BAHÇELIOĞLU**	Interdiciplinary Sciences and Biophysics **Dr. ÖZGÜR BÜYÜKATALAY**	Anatomy Lab 3 **(Group A-B)**	Vision **Dr. TÜRKKAN**	Ear Embryology and Histology **Dr. ELMAS**
13:30-14:20	The Control of Motor Function by Brain Stem **Dr. SEVGİLİ**	**Medical English**	Descending Pathways of Motor Control Systems **Dr. SEVGİLİ**	Physiology Lab 1 **(Group A)**	Taste and Olfaction **Dr. TÜRKKAN**
14:30-15:20	The Control of Motor Function by Brain Stem **Dr. SEVGİLİ**	**Medical English**	Descending Pathways of Motor Control Systems **Dr. SEVGİLİ**	Physiology Lab 1 **(Group A)**	Taste and Olfaction **Dr. TÜRKKAN**
15:30-16:20	Meninges and Vessels of The Brain **Dr. ATALAR**	**Elective Courses**	Vision **Dr. TÜRKKAN**	Physiology Lab 1 **(Group C)**	**FREE STUDY TIME**
16:30-17:20	Meninges and Vessels of The Brain **Dr. ATALAR**	**Elective Courses**	**FREE STUDY TIME**	Physiology Lab 1 **(Group C)**	**FREE STUDY TIME**

4th WEEK	Monday 06.10.2025	Tuesday 07.10.2025	Wednesday 08.10.2025	Thursday 09.10.2025	Friday 10.10.2025
08:30-09:20	Spinal Meninges, Vessels and Cerebrospinal Fluid **Dr. ATALAR**	Autonomous Nervous System (Sympathetic) **Dr. BAHÇELIOĞLU**	Anatomy Lab 4 **(Group A-B)** Histology Lab 2 **(Group C-D)**	**FREE STUDY TIME**	Retina and Its Photoreceptor Cells, Receptor Potentials **Dr. ÖZGÜR BÜYÜKATALAY**
09:30-10:20	Central Control of Autonomic Functions **Dr. SEVGİLİ**	Autonomous Nervous System (Parasympathetic) **Dr. BAHÇELIOĞLU**	Anatomy Lab 4 **(Group A-B)** Histology Lab 2 **(Group C-D)**	**FREE STUDY TIME**	Retina and Its Photoreceptor Cells, Receptor Potentials **Dr. ÖZGÜR BÜYÜKATALAY**
10:30-11:20	Central Control of Autonomic Functions **Dr. SEVGİLİ**	Eye Embryology and Histology **Dr. SEYMEN**	Anatomy Lab 4 **(Group C-D)** Histology Lab 2 **(Group A-B)**	Eye Anatomy and Visual Pathways **Dr. ATALAR**	Eye Anatomy and Visual Pathways **Dr. ATALAR**
11:30-12:20	Cranial Nerves **Dr. BAHÇELIOĞLU**	Eye Embryology and Histology **Dr. SEYMEN**	Anatomy Lab 4 **(Group C-D)** Histology Lab 2 **(Group A-B)**	Eye Anatomy and Visual Pathways **Dr. ATALAR**	Eye Anatomy and Visual Pathways **Dr. ATALAR**
13:30-14:20	Cranial Nerves **Dr. BAHÇELIOĞLU**	**Medical English**	**PBL-1**	Anatomy Lab 5 **(Group A-B)** Physiology Lab 1 **(Group D)**	Limbic System **Dr. BAHÇELIOĞLU**
14:30-15:20	Autonomous Nervous System (Sympathetic) **Dr. BAHÇELIOĞLU**	**Medical English**	**PBL-1**	Anatomy Lab 5 **(Group A-B)** Physiology Lab 1 **(Group D)**	Limbic System **Dr. BAHÇELIOĞLU**
15:30-16:20	Visible Light and Optical Components of Eye **Dr. ÖZGÜR BÜYÜKATALAY**	**Elective Courses**	**PBL-1**	Anatomy Lab 5 **(Group C-D)** Physiology Lab 1 **(Group B)**	**FREE STUDY TIME**
16:30-17:20	Visible Light and Optical Components of Eye **Dr. ÖZGÜR BÜYÜKATALAY**	**Elective Courses**	**PBL-1**	Anatomy Lab 5 **(Group C-D)** Physiology Lab 1 **(Group B)**	**FREE STUDY TIME**

5 th WEEK	Monday 13.10.2025	Tuesday 14.10.2025	Wednesday 15.10.2025	Thursday 16.10.2025	Friday 17.10.2025
08:30-09:20	**FREE STUDY TIME**	**FREE STUDY TIME**	Anatomy Lab 6 **(Group C-D)**	Clinical and Radiographic Anatomy **Dr.BAHÇELIOĞLU**	**FREE STUDY TIME**
09:30-10:20	PANEL: MS	**FREE STUDY TIME**	Anatomy Lab 6 **(Group C-D)**	Clinical and Radiographic Anatomy **Dr.BAHÇELIOĞLU**	PANEL: LEARNING
10:30-11:20	Limbic System and Monoaminergic System **Dr. SEVGİLİ**	Ear Anatomy and Hearing Pathways **DR. BAHÇELIOĞLU**	Anatomy Lab 6 **(Group A-B)**	Cerebral Cortex and High Functions of The Nervous System **Dr. SEVGİLİ**	PANEL: LEARNING
11:30-12:20	Limbic System and Monoaminergic System **Dr. SEVGİLİ**	Ear Anatomy and Hearing Pathways **DR. BAHÇELIOĞLU**	Anatomy Lab 6 **(Group A-B)**	Cerebral Cortex and High Functions of The Nervous System **Dr. SEVGİLİ**	Ear: Outer-Middle and Inner Ear, Membrana Basilar **Dr. ÖZGÜR BÜYÜKATALAY**
13:30-14:20	Ear Anatomy and Hearing Pathways **DR. BAHÇELIOĞLU**	**Medical English**	**PBL-2**	Introduction to Hearing Biophysics **Dr. ÖZGÜR BÜYÜKATALAY**	Ear: Outer-Middle and Inner Ear, Membrana Basilar **Dr. ÖZGÜR BÜYÜKATALAY**
14:30-15:20	Ear Anatomy and Hearing Pathways **DR. BAHÇELIOĞLU**	**Medical English**	**PBL-2**	Introduction to Hearing Biophysics **Dr. ÖZGÜR BÜYÜKATALAY**	**FREE STUDY TIME**
15:30-16:20	**FREE STUDY TIME**	**Elective Courses**	**PBL-2**	**FREE STUDY TIME**	**FREE STUDY TIME**
16:30-17:20	**FREE STUDY TIME**	**Elective Courses**	**PBL-2**	**FREE STUDY TIME**	**FREE STUDY TIME**

6 th WEEK	Monday 20.10.2025	Tuesday 21.10.2025	Wednesday 22.10.2025	Thursday 23.10.2025	Friday 24.10.2025
08:30-09:20	Physiology Lab 2 **(Group B)**	**CSE**	Anatomy Lab 7 **(Group A-B)** Physiology Lab 2 **(Group C)**	Neural Plasticity **Dr. SEVGİLİ**	Anatomy Lab 8 **(Group C-D)** Histology Lab 3 **(Group A-B)**
09:30-10:20	Physiology Lab 2 **(Group B)**	**CSE**	Anatomy Lab 7 **(Group A-B)** Physiology Lab 2 **(Group C)**	Clinical and Radiographic Anatomy **Dr.BAHÇELIOĞLU**	Anatomy Lab 8 **(Group C-D)** Histology Lab 3 **(Group A-B)**
10:30-11:20	Physiology Lab 2 **(Group D)**	**CSE**	Anatomy Lab 7 **(Group C-D)** Physiology Lab 2 **(Group A)**	Clinical and Radiographic Anatomy **Dr.BAHÇELIOĞLU**	Anatomy Lab 8 **(Group A-B)** Histology Lab 3 **(Group C-D)**
11:30-12:20	Physiology Lab 2 **(Group D)**	**CSE**	Anatomy Lab 7 **(Group C-D)** Physiology Lab 2 **(Group A)**	Clinical and Radiographic Anatomy **Dr.BAHÇELIOĞLU**	Anatomy Lab 8 **(Group A-B)** Histology Lab 3 **(Group C-D)**
13:30-14:20	Conditioned Reflex, Learning and Memory **Dr. SEVGİLİ**	**Medical English**	**PBL-3**	Hearing and Vestibular System **Dr. TÜRKKAN**	Physiology Lab **(Make Up)**
14:30-15:20	Conditioned Reflex, Learning and Memory **Dr. SEVGİLİ**	**Medical English**	**PBL-3**	Hearing and Vestibular System **Dr. TÜRKKAN**	Physiology Lab **(Make Up)**
15:30-16:20	**FREE STUDY TIME**	**Elective Courses**	**PBL-3**	**FREE STUDY TIME**	Physiology Lab **(Make Up)**
16:30-17:20	**FREE STUDY TIME**	**Elective Courses**	**PBL-3**	**FREE STUDY TIME**	Physiology Lab **(Make Up)**

7 th WEEK	Monday 27.10.2025	Tuesday 28.10.2025	Wednesday 29.10.2025	Thursday 30.10.2025	Friday 31.10.2025
08:30-09:20	APPLIED EXAM	APPLIED EXAM	**PUBLIC HOLIDAY**	APPLIED EXAM	THEORETICAL EXAM
09:30-10:20	APPLIED EXAM	APPLIED EXAM	**PUBLIC HOLIDAY**	APPLIED EXAM	THEORETICAL EXAM
10:30-11:20	APPLIED EXAM	APPLIED EXAM	**PUBLIC HOLIDAY**	APPLIED EXAM	THEORETICAL EXAM
11:30-12:20	APPLIED EXAM	APPLIED EXAM	**PUBLIC HOLIDAY**	APPLIED EXAM	THEORETICAL EXAM
13:30-14:20	APPLIED EXAM	**PUBLIC HOLIDAY**	**PUBLIC HOLIDAY**	APPLIED EXAM	**FREE STUDY TIME**
14:30-15:20	APPLIED EXAM	**PUBLIC HOLIDAY**	**PUBLIC HOLIDAY**	APPLIED EXAM	**FREE STUDY TIME**
15:30-16:20	APPLIED EXAM	**PUBLIC HOLIDAY**	**PUBLIC HOLIDAY**	APPLIED EXAM	**FREE STUDY TIME**
16:30-17:20	APPLIED EXAM	**PUBLIC HOLIDAY**	**PUBLIC HOLIDAY**	APPLIED EXAM	**FREE STUDY TIME**