GAZI UNIVERSITY FACULTY OF MEDICINE

PHASE II

2017-2018 EDUCATIONAL YEAR

NEUROLOGICAL SCIENCES COMMITTEE (18 September – 30 October 2017)

COURSES	**THEORETICAL**	**LAB**	**TOTAL**
Anatomy	46	18 X 2	64
Biophysics	10		10
Histology and Embryology	11	6 x 2	17
Physiology	39	8 x 4	47
Medical History and Ethics	4		4
TOTAL	**110**	**32**	**142**
Elective Lectures	6		6
INTRODUCTION TO MEDICINE			
Communication Skills	**6**		
Medical English	**6**		
TOTAL	**128**	**32**	**160**

25.10.2017	Wednesday	Phase II Applied Exam	Time: 08.30
26.10.2017	Thursday	Phase II Applied Exam	Time: 08.30
27.10.2017	Friday	Phase II Applied Exam	Time: 08.30
30.10.2017	Monday	Phase II Theoretical Exam	Time: 09.30

Dean	Prof.Dr. Sadık DEMİRSOY
Vice Dean	Assoc. Prof. Dr Taner AKAR
Vice Dean	Assoc. Prof. Dr Okşan DERİNÖZ GÜLERYÜZ
Head Coordinator	Prof. Dr. Anıl ONAN
Assistant Head Coordinator	Prof.Dr. Mehmet Ali ERGÜN
Assistant Head Coordinator	Prof. Dr. Işıl irem BUDAKOĞLU
Assistant Head Coordinator	Assoc. Prof. Dr L. Arzu ARAL
Phase II Coordinator	**Prof.Dr. Çiğdem ÖZER**
Assistant Phase II Coordinator	**Assoc. Prof. Dr .Bahriye SIRAV ARAL**
Assistant Phase II Coordinator	**Teach. Assist. Dr.Gökçe S. ÖZTÜRK FİNCAN**
Assistant Phase II Coordinator	**Assoc. Prof. Dr .Aylin SEPİCİ DİNÇEL (İNG)**

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. Bahriye SIRAV ARAL	Dr.Candan ÖZOĞUL	Dr.Lamia PINAR	Dr . Nesrin ÇOBANOĞLU
		Dr.Çiğdem ELMAS	Dr.Deniz ERBAŞ	
			Dr. Sibel DİNÇER	

ANATOMY LABORATORY	HISTOLOGY & EMBRYLOGY	PHYSIOLOGY LABORATORY
Dr.Meltem BAHÇELİOĞLU	Dr. Candan ÖZOĞUL	Dr. Lamia PINAR
	Dr. Suna ÖMEROĞLU	Dr. Deniz ERBAŞ
	Dr. Çiğdem ELMAS	Dr. Sibel DİNÇER
	Dr. Gülnur TAKE KAPLANOĞLU	Dr. Şevin GÜNEY

Communication Skills Coordinator	Prof.Dr. Figen ŞAHİN
Elective Course Coordinator	Doç. Dr. Ece KONAÇ

1 th week	18.09.2017 MONDAY	19.09.2017 TUESDAY	20.09.2017 WEDNESDAY	21.09.2017 THURSDAY	22.09.2017 FRIDAY
08:30-09:20	General morphology of the nervous system DR. BAHÇELIOĞLU	Medulla oblongata, pons, and 4.ventricle DR. BAHÇELIOĞLU	**FREE STUDY TIME**	**Anatomy Lab.**	Diencephalon and 3rd ventricle DR. BAHÇELIOĞLU
09:30-10:20	General morphology of the nervous system DR. BAHÇELIOĞLU	Somatovisseral sensory system Dr. DİNÇER	Cerebellum DR. BAHÇELIOĞLU .	**Anatomy Lab.**	Diencephalon and 3rd ventricle DR. BAHÇELIOĞLU
10:30-11:20	Internal structure of the spinal cord DR. BAHÇELIOĞLU	Somatovisseral sensory system Dr. DİNÇER	Cerebellum DR. BAHÇELIOĞLU	**Anatomy Lab.**	The control of motor function by medulla spinalis Dr.PINAR
11:30-12:20	General organization of central nervous system Dr.PINAR	Medulla oblongata, pons, and 4.ventricle DR. BAHÇELIOĞLU	The functions of thalamus and somatosensory cortex Dr.PINAR	**Anatomy Lab.**	The control of motor function by medulla spinalis Dr.PINAR
13:30-14:20	Somatovisseral sensory system Dr. DİNÇER	Medulla oblongata, pons, and 4.ventricle DR. BAHÇELIOĞLU	Mesencephalon DR. BAHÇELIOĞLU	Pain sensation Dr.PINAR	Nervous system histology Dr. ELMAS
14:30-15:20	Nervous system Embryology Dr. ELMAS	Nervous system Embryology Dr. ELMAS	Mesencephalon DR. BAHÇELIOĞLU .	Pain sensation Dr.PINAR	Nervous system histology Dr. ELMAS
15:30-16:20	Nervous system Embryology Dr. ELMAS	**FREE STUDY TIME**	**TANIŞMA**	**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 th week	25.09.2017 MONDAY	26.09.2017 TUESDAY	27.09.2017 WEDNESDAY	28.09.2017 THURSDAY	29.09.2017 FRIDAY
08:30-09:20	Anatomy Lab. Histology Lab.	Telencefalon, basal nuclei and lateral ventricles DR. BAHÇELIOĞLU	FREE STUDY TIME	Anatomy Lab. Physiology Lab	CNS ascending and descending tracts Dr.BAHÇELIOĞLU
09:30-10:20	Anatomy Lab. Histology Lab.	Telencefalon, basal nuclei and lateral ventricles DR. BAHÇELIOĞLU	CNS ascending and descending tracts Dr.BAHÇELIOĞL	Anatomy Lab. Physiology Lab	CNS ascending and descending tracts Dr.BAHÇELIOĞLU
10:30-11:20	Anatomy Lab. Histology Lab.	Nervous system histology Dr ELMAS	CNS ascending and descending tracts Dr.BAHÇELIOĞLU	Anatomy Lab. Physiology Lab	The control of motor function by brain stem Dr.PINAR
11:30-12:20	Anatomy Lab. Histology Lab.	Nervous system histology Dr. ELMAS	CNS ascending and descending tracts Dr.BAHÇELIOĞLU	Anatomy Lab. Physiology Lab	The control of motor function by brain stem Dr.PINAR
13:30-14:20	Telencefalon, basal nuclei and lateral ventricles DR. BAHÇELIOĞLU	Introduction to the Concepts of Ethics-Deontology-Bioethics-Morals Dr.ÇOBANOĞLU	Interdiciplinary Sciences and Biophysics Dr.ARAL	The control of motor function by medulla spinalis Dr.PINAR	Medicine and Medical Scientific Knowledge Dr.ÇOBANOĞLU
14:30-15:20	Telencefalon, basal nuclei and lateral ventricles DR. BAHÇELIOĞLU	Medical Methodology Dr.ÇOBANOĞLU	Interdiciplinary Sciences and Biophysics Dr. Seyhan-Dr.ARAL	The control of motor function by medulla spinalis Dr.PINAR	Physician-Patient Relationship Dr.ÇOBANOĞLU
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

3 th week	02.10.2017 MONDAY	03.10.2017 TUESDAY	04.10.2017 WEDNESDAY	05.10.2017 THURSDAY	06.10.2017 FRIDAY
08:30-09:20	Cranial nerves Dr.BAHÇELIOĞLU	Limbic system DR. BAHÇELIOĞLU	Autonomic nervous system (sympathetic) DR. BAHÇELIOĞLU	**Anatomy Lab.**	Meninges and vessels of the brain DR. BAHÇELIOĞLU
09:30-10:20	Cranial nerves Dr.BAHÇELIOĞLU	Limbic system DR. BAHÇELIOĞLU	Autonomic nervous system (sympathetic) DR. BAHÇELIOĞLU	**Anatomy Lab.**	Spinal meninges, vessels and cerebrospinal fluid DR. BAHÇELIOĞLU
10:30-11:20	Motor cortex Dr.PINAR	Descending control of spinal motor systems Dr.PINAR	The role of basal ganglia in the control of motor functions Dr.PINAR	**Anatomy Lab.**	Eye DR. BAHÇELIOĞLU
11:30-12:20	Descending control of spinal motor systems Dr.PINAR	Descending control of spinal motor systems Dr.PINAR	The role of basal ganglia in the control of motor functions Dr.PINAR	**Anatomy Lab.** .	Eye DR. BAHÇELIOĞLU
13:30-14:20	Cranial nerves Dr.BAHÇELIOĞLU	**FREE STUDY TIME**	**Anatomy Lab.** **Histology Lab.**	The role of basal ganglia in the control of motor functions Dr.PINAR	Central Control of Autonomic Function Dr.Erbaş
14:30-15:20	Cranial nerves Dr.BAHÇELIOĞLU	**FREE STUDY TIME**	**Anatomy Lab.** **Histology Lab.**	Autonomic nervous system (parasympathetic) DR. BAHÇELIOĞLU	Central Control of Autonomic Function Dr.Erbaş
15:30-16:20	**FREE STUDY TIME**	**FREE STUDY TIME**	**Anatomy Lab.** **Histology Lab.**	Meninges and vessels of the brain DR. BAHÇELIOĞLU	**Communication Skills (film)**
16:30-17:20	**FREE STUDY TIME**	**FREE STUDY TIME**	**Anatomy Lab.** **Histology Lab.**	**FREE STUDY TIME**	**Communication Skills (film)**

4 th week	09.10.2017 MONDAY	10.10.2017 TUESDAY	11.10.2017 WEDNESDAY	12.10.2017 THURSDAY	13.10.2017 FRIDAY
08:30-09:20	Anatomy Lab. Physiology Lab	Eye anatomy and visual pathways DR. BAHÇELIOĞLU	Ear DR. BAHÇELIOĞLU	Ear emb and histology Dr. ÖZOĞUL	Retina and its photoreceptor cells, receptor potentials Dr. ARAL
09:30-10:20	Anatomy Lab Physiology Lab.	Eye anatomy and visual pathways DR. BAHÇELIOĞLU	Ear DR. BAHÇELIOĞLU	Ear emb and histology Dr. ÖZOĞUL	Retina and its photoreceptor cells, receptor potentials Dr. ARAL
10:30-11:20	Anatomy Lab Physiology Lab.	Eye emb. and histology Dr. ÖZOĞUL	Communication Skills (1)	Limbic system and monoaminergic system Dr.PINAR	Cerebral cortex and high functions of the nervous system Dr.PINAR
11:30-12:20	Anatomy Lab Physiology Lab	Eye emb. and histology Dr. ÖZOĞUL	Communication Skills	Limbic system and monoaminergic system Dr.PINAR	Neural plasticity Dr.PINAR
13:30-14:20	The role of cerebellum in the control of motor functions Dr.PINAR	Medical English	Vision Dr.DİNÇER	Physiology Lab.	FREE STUDY TIME
14:30-15:20	The role of cerebellum in the control of motor functions Dr.PINAR	Medical English	Vision Dr.DİNÇER	Physiology Lab.	FREE STUDY TIME
15:30-16:20	FREE STUDY TIME	ELECTIVE COURSE	Vision Dr.DİNÇER	Physiology Lab.	FREE STUDY TIME
16:30-17:20	FREE STUDY TIME	ELECTIVE COURSE	FREE STUDY TIME	Physiology Lab.	FREE STUDY TIME

5 th week	16.10.2017 MONDAY	17.10.2017 TUESDAY	18.10.2017 WEDNESDAY	19.10.2017 THURSDAY	20.10.2017 FRIDAY
08:30-09:20	Visible light and optical components of eye Dr. ARAL	Anatomy Lab. Histology Lab.	Clinical Anatomy Dr.BAHÇELIOĞLU	Introduction to hearing biophysics Dr. ARAL	FREE STUDY TIME
09:30-10:20	Visible light and optical components of eye Dr. ARAL	Anatomy Lab. Histology Lab.	Clinical Anatomy Dr.BAHÇELIOĞLU	Introduction to hearing biophysics Dr. ARAL	Clinical anatomy DR. BAHÇELIOĞLU
10:30-11:20	Ear DR. BAHÇELIOĞLU	Anatomy Lab. Histology Lab.	Communication Skills (2)	Physiology of Sleep Dr.PINAR	Clinical anatomy DR. BAHÇELIOĞLU
11:30-12:20	Ear and hearing pathways DR. BAHÇELIOĞLU	Anatomy Lab. Histology Lab.	Communication Skills	EEG Epilepsy Dr.PINAR	Clinical Anatomy Dr.BAHÇELIOĞLU
13:30-14:20	Hearing and vestibular system Dr. DİNÇER	Medical English	Taste and olfaction Dr. DİNÇER	Anatomy Lab. Physiology Lab.	Ear: outer-middle and inner ear, membrana basilar Dr. ARAL
14:30-15:20	Hearing and vestibular system Dr. DİNÇER	Medical English	Taste and olfaction Dr. DİNÇER	Anatomy Lab. Physiology Lab.	Ear: outer-middle and inner ear, membrana basilar Dr. ARAL
15:30-16:20	FREE STUDY TIME	ELECTIVE COURSE	FREE STUDY TIME	Anatomy Lab. Physiology Lab.	FREE STUDY TIME
16:30-17:20	FREE STUDY TIME	ELECTIVE COURSE	FREE STUDY TIME	Anatomy Lab. Physiology Lab.	FREE STUDY TIME

6 th week	24.10.2016 MONDAY	25.10.2016 TUESDAY	26.10.2016 WEDNESDAY	27.10.2016 THURSDAY	28.10.2016 FRIDAY
08:30-09:20	Anatomy Lab. Physiology Lab	FREE STUDY TIME	PHASE II APPLIED EXAM	PHASE II APPLIED EXAM	PHASE II APPLIED EXAM
09:30-10:20	Anatomy Lab. Physiology Lab	FREE STUDY TIME	PHASE II APPLIED EXAM	PHASE II APPLIED EXAM	PHASE II APPLIED EXAM
10:30-11:20	Anatomy Lab. Physiology Lab . .	FREE STUDY TIME	PHASE II APPLIED EXAM	PHASE II APPLIED EXAM	PHASE II APPLIED EXAM
11:30-12:20	Anatomy Lab. Physiology Lab .	FREE STUDY TIME	PHASE II APPLIED EXAM	PHASE II APPLIED EXAM	PHASE II APPLIED EXAM
13:30-14:20	FREE STUDY TIME	FREE STUDY TIME	PHASE II APPLIED EXAM	PHASE II APPLIED EXAM	PHASE II APPLIED EXAM
14:30-15:20	FREE STUDY TIME	FREE STUDY TIME	PHASE II APPLIED EXAM	PHASE II APPLIED EXAM	PHASE II APPLIED EXAM
15:30-16:20	FREE STUDY TIME	FREE STUDY TIME	PHASE II APPLIED EXAM	PHASE II APPLIED EXAM	PHASE II APPLIED EXAM
16:30-17:20	FREE STUDY TIME	FREE STUDY TIME	PHASE II APPLIED EXAM	PHASE II APPLIED EXAM	PHASE II APPLIED EXAM

THEORICAL EXAM 30.10.2017 (09.30)