

 MARMARA UNIVERSITY – EASTERN MEDITERRANEAN UNIVERSITY INTERNATIONAL MEDICAL SCHOOL 	
	
NERVOUS SYSTEM AND RELATED DISORDERS YEAR 3 COURSE 3 December 23rd, 2019 – February 27th, 2020	
Year 3 Coordinators Prof., Arzu Akşit İLKİ & Assoc. Prof., Pınar Mega TİBER & Assist. Prof., İlke AKÇAY	
Module Coordinator Prof., Özlem SARIKAYA Inst. Dr. Duygu GENÇALP	Introduction to Clinician Skills (ICS) Coordinators Prof., Pemra ÜNALAN Assoc. Prof., Nilüfer GÜZOĞLU
Coordinator of Clinical Skill Lab. Prof., Pemra ÜNALAN Assist. Prof., Bülent SEZGİN	Coordinator of ICS Res. Lab. Prof., Pemra ÜNALAN Inst. Dr. Özge EKER
Coordinator of Multidisciplinary Students' Lab. Assoc. Prof., Betül KARADEMİR Assist. Prof., Mümtaz GÜRAN	Coordinator of Assessment Unit Assist. Prof., Cevdet NACAR Assist. Prof., H. Eren SAKALLI
Vice-Chief Coordinators	
Assessment Assist. Prof., Cevdet NACAR Assist. Prof., H. Eren SAKALLI	Student Affairs Assist. Prof., Can ERZİK Inst. Yöner Meray
Chief Coordinator Assoc. Prof., Hasan YANANLI Assist. Prof., Mümtaz GÜRAN	Coordinator of Medical Education Program Evaluation and Development Commission Prof., Berrak Ç. YEĞEN
Educational Consultant Prof., Mehmet Ali GÜLPINAR	
Dean (EMU) Assoc. Prof., Emre HAMURTEKİN	Dean (MU) Prof., Hakan GÜNDÜZ

LEARNING OUTCOMES / COMPETENCIES

- A. **Clinical Care: Qualified patient care and community oriented health care**
 1. Basic clinical skills
 2. The organization and management of the patient and the patient care
 3. The organization and the management of health care delivery services / system
 4. Health promotion and disease prevention
- B. **Medical Knowledge and Evidence-Based Medicine**
 5. Appropriate information retrieval and management skills
 6. The integration of knowledge, critical thinking and evidence-based decision making
 7. Scientific methods and basic research skills
- C. **Professional Attitudes and Values**
 8. Communication skills and effective communication with patients / patient relatives
 9. Interpersonal relationships and team working
 10. Ethical and professional values, responsibilities
 11. Individual, social and cultural values and responsibilities
 12. Reflective practice and continuing development
 13. Healthcare delivery systems, management and community oriented health care
 14. Education and counseling

PHASE-1 LEARNING OBJECTIVES

1. Understanding the normal structures and functions of human body
2. Correlating the basic concepts and principles to each other that define health and disease; applying basic concepts and principles to health and disease conditions
3. Developing clinical problem solving, clinical reasoning and evaluation skills by integrating biomedical, clinical, social and humanities knowledge
4. Gaining basic clinical skills by applications in simulated settings.
5. Awareness of the professional values in health and disease processes (professional, individual, societal) and acquisition necessary related skills
6. Evaluating critically and synthesizing all the medical evidence and perform respecting scientific, professional and ethical values
7. Acquisition skills in reflective thinking and practicing, being open to continuous individual / professional development.

PHASES – 1 THEMA/ORGAN SYSTEM-BASED COURSE PROGRAMS

Year 1, Course 1: Introduction to Cell and Cellular Replication

Year 1, Course 2: Cellular Metabolism and Transport

Year 1, Course 3: Development and Organization of Human Body

Year 1, Course 4: Introduction to Nervous System and Human Behavior

Year 2, Course 1: Cell and Tissue Injury I

Year 2, Course 2: Cell and Tissue Injury II

Year 2, Course 3: Hematopoietic System and Related Disorders

Year 2, Course 4: Musculoskeletal, Integumentary Systems and Related Disorders

Year 2, Course 5: Respiratory System and Related Disorders

Year 3, Course 1: Cardiovascular System and Related Disorders

Year 3, Course 2: Gastrointestinal System, Metabolism and Related Disorders

Year 3, Course 3: Nervous System and Related Disorders

Year 3, Course 4: Growth, Development, Mental Health and Related Disorders Year 3, Course 5: Urinary and Reproductive System and Related Disorders	
NERVOUS SYSTEM AND RELATED DISORDERS	
AIM and LEARNING OBJECTIVES of COURSE Aim: At the end of this course, third year students will gain knowledge about the development, structure and physiology of the nervous system and pathogenesis of the disorders related to this system. They will also gain knowledge about the signs and symptoms of nervous system disorders, related risk factors, prevention, diagnosis and principles of treatment. Learning Objectives: At the end of this course, third year students will, • review the structure and function of the nervous system. • define the pathologic processes in neurological disorders • gain knowledge about microorganism that affect the nervous system and associated infections • gain knowledge about the risk factors related to neurological disorders • gain knowledge about the signs and symptoms of these disorders • gain knowledge about the prevention of nervous system disorders, approach to diagnosis, principles of treatment and rehabilitation	
ASSESSMENT SYSTEM Module examination: Written exam at the end of module (10 % of final score) Practical examination: Practical exams at the end of course Course examination: Written exam at the end of course	PROGRAM EVALUATION Evaluation at the end of the course, is done both orally and by using structured evaluation forms
DEPARTMENTS PARTICIPATING IN COURSE-3.3	
• Anatomy • Anesthesiology • Biophysics • Family Medicine • Histology and Embryology • Medical Genetics • Microbiology • Neurology	• Neurosurgery • Pathology • Pediatrics • Pharmacology • Physical Medicine and Rehabilitation • Physiology • Public Health • Radiology

LECTURERS / TUTORS	
Ahmet Topuzoğlu, Prof., Public Health Alper Yıldırım, Assoc. Prof., Physiology Amber Eker Bakkaloğlu, Assoc. Prof., Neurology Atila Karaalp, Prof., Pharmacology Aymelek Yalın, Prof., Anatomy Ayşe Garip İnhan, Assoc. Prof., Biophysics Barış İşak, Assoc. Prof., Neurology Beliz Bilgili, Assist. Prof., Anesthesiology and Reanimation Berfu Çerçi Öngün, Inst., Anatomy Burak Aksu, Assist. Prof., Microbiology Bülent Sezgin, Assist. Prof., Internal Medicine Cemal Gürkan, Inst., Forensic Sciences Dilek Akakin, Assoc. Prof., Histology and Embryology Didem Rıfkı, Inst., Clinical Skills Emine Özerinç, Inst., Turkish Language Emel Lüleci, Prof., Public Health Ferhat Harman, Assoc. Prof., Neurosurgery Halil Eren Sakallı, Assist. Prof., Pharmacology Hande Tuğcan, Inst., Indian Dance İpek Gürsoy Midi, Prof., Neurology Kadriye Ağan Yıldırım, Prof., Neurology Masoud Afshani, Assist. Prof., Histology and Embryology Mehmet Akman, Prof., Family Medicine	Mustafa İbrahim Ziyal, Prof., Neurosurgery Nevin Yılmaz Prof., Internal Medicine/ Gastroenterology Nilüfer Güzoğlu, Assoc. Prof., Neonatology Nurtane Karagil, Inst., Arts and Crafts Nurver Ülger, Prof., Microbiology Olca Ünver, Assist. Prof., Pediatrics Onur Buğdaycı, Assist. Prof., Radiology Önder Kayhan, Prof., Physical Medicine and Rehabilitation Özgür Kasımay Çakır, Assoc. Prof., Physiology Pınar Ata, Prof., Medical Genetics Pınar Kahraman Koytak, Assist. Prof., Neurology Pınar Mega Tiber, Assoc. Prof., Biophysics Süheyla Bozkurt, Prof., Medical Pathology Tülin Tanrıdağ, Prof., Neurology Ufuk Hasdemir, Prof., Microbiology Ural Verimli, Assist. Prof., Anatomy Ümit S. Şehirli, Prof., Anatomy Yasemin Kurtoğlu, Inst., Aerial Fitness Yaşar İnci Alican, Prof., Medical Physiology Zafer Gören, Prof., Pharmacology
READING / STUDYING MATERIALS	
Biochemistry; Stryer, 4th ed., Freeman • Biochemistry; Zubay, 3rd ed., WCB • Clinical Anatomy for Medical Students; Richard S. Snell • Clinically Oriented Anatomy; Keith L. Moore, Arthur F. Dalley • Color Textbook of Histology; Gartner & Hiatt, 3rd ed., Elsevier Health Sciences, 2004 • D.H. Hubel; Eye, Brain and Vision • Gray Anatomy; Çeviri Editörü: Prof. Dr. Mehmet YILDIRIM, Güneş Kitabevi, 2006 • Gray's Anatomy for Students; Richard L. Drake, Henry Gray, Adam W.M. Mitchell • Guyton & Hall ; Textbook of Physiology, 11th edition, Elsevier-Saunders, 2006. • Histology A Text and Atlas; Michael H Ross, Michael R. Ross, Wojciech Pawlina, 5th ed. Lippincott Williams & Wilkins, 2006 • Histoloji ve Hücre Biyolojisi; Abraham L.Kierzenbaum; Çeviri editörü: Ramazan Demir, Palme Yayıncılık - Ankara, 2006 • Human Histology: Alan Stevens, James Lowe, 3rd ed., Elsevier Health Sciences, 2004 • M.F. Baer, Connors & Paradiso; Neuroscience 2nd ed.	

SUMMARY OF THE COURSE 3.3			
Discipline	Lecture & Group Discussion	Multidisciplinary Lab. & Clinical Skills Lab. Practice	Total
Anatomy	32	11	43
Anesthesiology	1		1
Biophysics	1	2	3
Family Medicine	1		1
Histology and Embryology	2	1	3
Infectious Diseases	1		1
Medical Genetics	1		1
Microbiology	4		4
Neurology	16		16
Neurosurgery	2		2
Pathology	11	2	13
Pediatrics	2		2
Pharmacology	10		10
Physical Medicine and Rehabilitation	2		2
Physiology	11		11
Public Health	3		3
Radiology	2		2
Subtotal	102	16	118
PBL Module		8	8
ICS-3: Basic Medical Practices, Clinical Skills Lab.		20	20
Turkish for Medical Students – IV	26	0	26
Turkish for Medical Students – IV (Interactive Session)	0	8	8
Elective Course	12		12
TOTAL	136	51	187

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	THEORETICAL AND PRACTICAL SESSIONS	LECTURER/TUTOR
1st Week (23 December - 27 December) 2019		
Monday	23 December	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	STUDY TIME	
11:40-12:30	Introduction to the course	Dr. İlke Akçay
13:40-14:30	Turkish for Medical Students - IV	Inst. Emine Özerinç
14:40-15:30	Turkish for Medical Students - IV	Inst. Emine Özerinç
	Turkish for Medical Students - IV	Inst. Emine Özerinç
15:40-16:30	Elective Course-III (Turkish Students) MDCN181 – Th. and Applied Forensic Sciences MDCN182 – Art & Craft for Medicine Students MDCN186 – Modern Indian Dance Course MDCN187 – Aerial Fitness & High Int. Interval Tr.	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Hande Tuğcan Inst. Yasemin Kurtoğlu
	Turkish for Medical Students - IV	Inst. Emine Özerinç
16:40-17:30	Elective Course-III (Turkish Students) MDCN181 – Th. and Applied Forensic Sciences MDCN182 – Art & Craft for Medicine Students MDCN186 – Modern Indian Dance Course MDCN187 – Aerial Fitness & High Int. Interval Tr.	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Hande Tuğcan Inst. Yasemin Kurtoğlu
Tuesday	24 December	
08:40-09:30	Tetanus	Dr. Nurver Ülger
09:40-10:30	Poliomyelitis	Dr. Nurver Ülger
10:40-11:30	Meninges & dural sinuses of the brain	Dr. Aymelek Yalın
11:40-12:30	Meninges & dural sinuses of the brain	Dr. Aymelek Yalın
13:40-14:30	Anatomy LAB: Meninges & dural sinuses of the brain – Group A	Dr. Aymelek Yalın Dr. Berfu Çerçi Öngün
14:40-15:30	Anatomy LAB: Meninges & dural sinuses of the brain – Group B	Dr. Aymelek Yalın Dr. Berfu Çerçi Öngün
15:40-16:30	General structure of the spinal cord	Dr. Aymelek Yalın
16:40-17:30	General structure of the spinal cord	Dr. Aymelek Yalın
Wednesday	25 December	
08:40-09:30	Anatomy LAB: Spinal cord – Group A	Dr. Aymelek Yalın Dr. Berfu Çerçi Öngün
09:40-10:30	Anatomy LAB: Spinal cord – Group B	Dr. Aymelek Yalın Dr. Berfu Çerçi Öngün
10:40-11:30	Descending pathways	Dr. Aymelek Yalın
11:40-12:30	Ascending pathways	Dr. Aymelek Yalın

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13:40-14:30	Ascending pathways	Dr. Aymelek Yalın
14:40-15:30	STUDY TIME	
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
Thursday	26 December	
08:40-09:30	STUDY TIME	
09:40-10:30	Cerebral cortex: functional areas & general topography	Dr. Ümit S. Şehirli
10:40-11:30	Cerebral cortex: functional areas & general topography	Dr. Ümit S. Şehirli
11:40-12:30	Limbic system and pineal gland	Dr. Ümit S. Şehirli
13:40-14:30	Anatomy LAB: Cerebral cortex: functional areas & general topography – Group A	Dr. Ümit S. Şehirli Dr. Berfu Çerçi Öngün
14:40-15:30	Anatomy LAB: Cerebral cortex: functional areas & general topography – Group B	Dr. Ümit S. Şehirli Dr. Berfu Çerçi Öngün
15:40-16:30	Turkish for Medical Students – IV (interactive session)	Inst. Emine Özerinç
16:40-17:30	Turkish for Medical Students – IV (interactive session)	Inst. Emine Özerinç
Friday	27 December	
08:40-09:30	Turkish for Medical Students – IV (interactive session)	Inst. Emine Özerinç
09:40-10:30	Turkish for Medical Students – IV (interactive session)	Inst. Emine Özerinç
10:40-11:30	Turkish for Medical Students – IV (interactive session)	Inst. Emine Özerinç
11:40-12:30	Turkish for Medical Students – IV (interactive session)	Inst. Emine Özerinç
13:40-14:30	STUDY TIME	
14:40-15:30	STUDY TIME	
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
2nd Week (30 December 2019 - 03 January 2020)		
Monday	30 December	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	STUDY TIME	
11:40-12:30	STUDY TIME	
13:40-14:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç
14:40-15:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç
15:40-16:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç
	Elective Course-III (Turkish Students MDCN181 – Th. and Applied Forensic Sciences MDCN182 – Art & Craft for Medicine Students MDCN186 – Modern Indian Dance Course MDCN187 – Aerial Fitness & High Int. Interval Tr.	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Hande Tuğcan Inst. Yasemin Kurtoğlu
16:40-17:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç
	Elective Course-III (Turkish Students MDCN181 – Th. and Applied Forensic Sciences MDCN182 – Art & Craft for Medicine Students MDCN186 – Modern Indian Dance Course MDCN187 – Aerial Fitness & High Int. Interval Tr.	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Hande Tuğcan Inst. Yasemin Kurtoğlu
Tuesday	31 December	

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08:40-09:30	HOLIDAY	
09:40-10:30		
10:40-11:30		
11:40-12:30		
13:40-14:30		
14:40-15:30		
15:40-16:30		
16:40-17:30		
Wednesday	01 January	
08:40-09:30	NEW YEAR'S DAY	
09:40-10:30		
10:40-11:30		
11:40-12:30		
13:40-14:30		
14:40-15:30		
15:40-16:30		
16:40-17:30		
Thursday	02 January	
08:40-09:30	Genetic basis of neurological diseases	Dr. Pinar Ata
09:40-10:30	Brain stem	Dr. Aymelek Yalın
10:40-11:30	Brain stem	Dr. Aymelek Yalın
11:40-12:30	Brain stem	Dr. Aymelek Yalın
13:40-14:30	Cranial nerves	Dr. Aymelek Yalın
14:40-15:30	Cranial nerves	Dr. Aymelek Yalın
15:40-16:30	Spinal reflexes	Dr. Özgür Kasımay Çakır
16:40-17:30	Spinal reflexes	Dr. Özgür Kasımay Çakır
Friday	03 January	
08:40-09:30	Anatomy LAB: Brain stem – Group A	Dr. Aymelek Yalın Dr. Berfu Çerçi Öngün
09:40-10:30	Anatomy LAB: Brain stem – Group B	Dr. Aymelek Yalın Dr. Berfu Çerçi Öngün
10:40-11:30	Cranial nerves	Dr. Aymelek Yalın
11:40-12:30	Cranial nerves	Dr. Aymelek Yalın
13:40-14:30	Anatomy LAB: Cranial nerves – Group A	Dr. Aymelek Yalın Dr. Berfu Çerçi Öngün
14:40-15:30	Anatomy LAB: Cranial nerves – Group B	Dr. Aymelek Yalın Dr. Berfu Çerçi Öngün
15:40-16:30	Turkish for Medical Students – IV (interactive session)	Inst. Emine Özerinç
16:40-17:30	Turkish for Medical Students – IV (interactive session)	Inst. Emine Özerinç
3rd Week (06 January - 10 January) 2020		
Monday	06 January	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	

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10:40-11:30	STUDY TIME	
11:40-12:30	STUDY TIME	
13:40-14:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç
14:40-15:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç
	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç
15:40-16:30	Elective Course-III (Turkish Students MDCN181 – Th. and Applied Forensic Sciences MDCN182 – Art & Craft for Medicine Students MDCN186 – Modern Indian Dance Course MDCN187 – Aerial Fitness & High Int. Interval Tr.	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Hande Tuğcan Inst. Yasemin Kurtoğlu
	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç
16:40-17:30	Elective Course-III (Turkish Students MDCN181 – Th. and Applied Forensic Sciences MDCN182 – Art & Craft for Medicine Students MDCN186 – Modern Indian Dance Course MDCN187 – Aerial Fitness & High Int. Interval Tr.	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Hande Tuğcan Inst. Yasemin Kurtoğlu
Tuesday	07 January	
08:40-09:30	STUDY TIME	
09:40-10:30	Cerebrum, cerebellum and spinal cord	Dr. Masoud Afshani
10:40-11:30	The basal nuclei	Dr. Yaşar İnci Alican
11:40-12:30	Cerebellum	Dr. Yaşar İnci Alican
13:40-14:30	Cerebellum	Dr. Yaşar İnci Alican
14:40-15:30	Organization of the cortex; motor cortex and corticospinal system	Dr. Yaşar İnci Alican
15:40-16:30	Organization of the cortex; motor cortex and corticospinal system	Dr. Yaşar İnci Alican
16:40-17:30	STUDY TIME	
Wednesday	08 January	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	STUDY TIME	
11:40-12:30	STUDY TIME	
13:40-14:30	Bacterial and aseptic meningitis	Dr. Mehmet Burak Aksu
14:40-15:30	Introduction to pediatric neurology: From symptoms to signs	Dr. Olcay Ünver
15:40-16:30	Infectious diseases of the nervous system	Dr. Olcay Ünver
16:40-17:30	STUDY TIME	
Thursday	09 January	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	STUDY TIME	
11:40-12:30	STUDY TIME	
13:40-14:30	STUDY TIME	
14:40-15:30	STUDY TIME	
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	

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Friday	10 January	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	STUDY TIME	
11:40-12:30	STUDY TIME	
13:40-14:30	STUDY TIME	
14:40-15:30	STUDY TIME	
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
4th Week (13 January - 17 January) 2020		
Monday	13 January	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	STUDY TIME	
11:40-12:30	STUDY TIME	
13:40-14:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç
14:40-15:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç
15:40-16:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç
16:40-17:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç
Tuesday	14 January	
08:40-09:30	STUDY TIME	
09:40-10:30	Adult patient with paresthesia, arthralgia and lethargia	Dr. Mehmet Akman
10:40-11:30	Epidemiology of neurological diseases	Dr. Nimet Emel Lülecı
11:40-12:30	Epidemiology and control of dementias	Dr. Ahmet Topuzoğlu
13:40-14:30	Epidemiology and prevention of occupational neurological disorders	Dr. Ahmet Topuzoğlu
14:40-15:30	PBL Module 1	Dr. Nevin Yılmaz Dr. Amber Eker Bakkaloğlu Dr. Nilüfer Güzoğlu
15:40-16:30	PBL Module 1	
16:40-17:30	STUDY TIME	
Wednesday	15 January	
08:40-09:30	Vessels of the central nervous system	Dr. Ümit S. Şehirli
09:40-10:30	Vessels of the central nervous system	Dr. Ümit S. Şehirli
10:40-11:30	Anatomy LAB: Vessels of the central nervous system – Group A	Dr. Ümit S. Şehirli Dr. Berfu Çerçi Öngün
11:40-12:30	Anatomy LAB: Vessels of the central nervous system – Group B	Dr. Ümit S. Şehirli Dr. Berfu Çerçi Öngün
13:40-14:30	Basal ganglia subthalamus	Dr. Ümit S. Şehirli
14:40-15:30	Basal ganglia subthalamus	Dr. Ümit S. Şehirli
15:40-16:30	Hypothalamus and pituitary gland	Dr. Ümit S. Şehirli
16:40-17:30	Thalamus	Dr. Ümit S. Şehirli
Thursday	16 January	

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08:40-09:30	Y1C2 THEORETICAL EXAM	
09:40-10:30		
10:40-11:30		
11:40-12:30		
13:40-14:30	Brain stem review	Dr. Alper Yıldırım
14:40-15:30	Cognitive and emotional functions	Dr. Alper Yıldırım
15:40-16:30	Cognitive and emotional functions	Dr. Alper Yıldırım
16:40-17:30	Cerebrospinal circulation	Dr. Alper Yıldırım
Friday	17 January	
08:40-09:30	STUDY TIME	
09:40-10:30	Epilepsy	Dr. Kadriye Ağan Yıldırım
10:40-11:30	Epilepsy	Dr. Kadriye Ağan Yıldırım
11:40-12:30	Sleep and sleep disorders	Dr. Kadriye Ağan Yıldırım
13:40-14:30	STUDY TIME	
14:40-15:30	STUDY TIME	
15:40-16:30	Rehabilitation of neurological disorders	Dr. Önder Kayhan
16:40-17:30	Rehabilitation of neurological disorders	Dr. Önder Kayhan
5th Week (20 January - 24 January) 2020		
Monday	20 January	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	Extrapyramidal system disorders	Dr. Amber Eker Bakkaloğlu
11:40-12:30	Demyelinating disorders	Dr. Amber Eker Bakkaloğlu
13:40-14:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç
14:40-15:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç
15:40-16:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç
	Elective Course-III (Turkish Students MDCN181 – Th. and Applied Forensic Sciences MDCN182 – Art & Craft for Medicine Students MDCN186 – Modern Indian Dance Course MDCN187 – Aerial Fitness & High Int. Interval Tr.	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Hande Tuğcan Inst. Yasemin Kurtoğlu
16:40-17:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç
	Elective Course-III (Turkish Students MDCN181 – Th. and Applied Forensic Sciences MDCN182 – Art & Craft for Medicine Students MDCN186 – Modern Indian Dance Course MDCN187 – Aerial Fitness & High Int. Interval Tr.	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Hande Tuğcan Inst. Yasemin Kurtoğlu
Tuesday	21 January	
08:40-09:30	Signs and symptoms in neurology	Dr. İpek Gürsoy Midi
09:40-10:30	Signs and symptoms in neurology	Dr. İpek Gürsoy Midi
10:40-11:30	Cerebrovascular disease	Dr. İpek Gürsoy Midi
11:40-12:30	Cerebrovascular disease	Dr. İpek Gürsoy Midi
13:40-14:30	Pharmacotherapy of Parkinson's disease	Dr. Eren Sakallı
14:40-15:30	PBL Module 2	Dr. Nevin Yılmaz

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15:40-16:30	PBL Module 2	Dr. Amber Eker Bakkaloğlu Dr. Nilüfer Güzoğlu
16:40-17:30	STUDY TIME	
Wednesday	22 January	
08:40-09:30	Autonomic nervous system	Dr. Ural Verimli
09:40-10:30	Autonomic nervous system	Dr. Ural Verimli
10:40-11:30	Anatomy LAB: Autonomic Nervous System- Group A	Dr. Ural Verimli Dr. Berfu Çerçi Öngün
11:40-12:30	Anatomy LAB: Autonomic Nervous System- Group B	Dr. Ural Verimli Dr. Berfu Çerçi Öngün
13:40-14:30	Cerebellum	Dr. Ural Verimli
14:40-15:30	Anatomy LAB: Cerebellum- Group A	Dr. Ural Verimli Dr. Berfu Çerçi Öngün
15:40-16:30	Anatomy LAB: Cerebellum- Group B	Dr. Ural Verimli Dr. Berfu Çerçi Öngün
16:40-17:30	Limbic system and pineal gland	Dr. Ural Verimli
Thursday	23 January	
08:40-09:30	Brain ventricles and subarachnoid spaces	Dr. Ural Verimli
09:40-10:30	Introduction to CNS pharmacology	Dr. Halil Eren Sakallı
10:40-11:30	Pharmacotherapy in epilepsy	Dr. Halil Eren Sakallı
11:40-12:30	Clinical pharmacology of opioids	Dr. Halil Eren Sakallı
13:40-14:30	Basic principles of action of drugs affecting neurotransmission	Dr. Halil Eren Sakallı
14:40-15:30	STUDY TIME	
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
Friday	24 January	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	Vestibular system and auditory pathway	Dr. Ural Verimli
11:40-12:30	Vestibular system and auditory pathway	Dr. Ural Verimli
13:40-14:30	Anatomy LAB: Basal ganglia, thalamus, subthalamus- Group A	Dr. Ural Verimli Dr. Berfu Çerçi Öngün
14:40-15:30	Anatomy LAB: Basal ganglia, thalamus, subthalamus - Group B	Dr. Ural Verimli Dr. Berfu Çerçi Öngün
15:40-16:30	Anatomy LAB: Brain ventricles and subarachnoid spaces - Group A	Dr. Ural Verimli Dr. Berfu Çerçi Öngün
16:40-17:30	Anatomy LAB: Brain ventricles and subarachnoid spaces - Group B	Dr. Ural Verimli Dr. Berfu Çerçi Öngün
27 JANUARY – 07 FEBRUARY SEMESTER HOLIDAY		

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6th Week (10 February - 14 February) 2020		
Monday	10 February	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	STUDY TIME	
11:40-12:30	STUDY TIME	
13:40-14:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç
14:40-15:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç
15:40-16:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç
16:40-17:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç
Tuesday	11 February	
08:40-09:30	Peripheral nerve disorders	Dr. Barış İşak
09:40-10:30	Peripheral nerve disorders	Dr. Barış İşak
10:40-11:30	Motor neuron disorders	Dr. Barış İşak
11:40-12:30	Local and general anesthetics	Dr. Halil Eren Sakallı
13:40-14:30	Local and general anesthetics	Dr. Halil Eren Sakallı
14:40-15:30	PBL Module 3	Dr. Nevin Yılmaz Dr. Amber Eker Bakkaloğlu Dr. Nilüfer Güzoğlu
15:40-16:30	PBL Module 3	
16:40-17:30	STUDY TIME	
Wednesday	12 February	
08:40-09:30	Headache in the emergency room	Dr. Tülin Tanrıdağ
09:40-10:30	Neurological emergencies	Dr. Tülin Tanrıdağ
10:40-11:30	Myopathies and myasthenia gravis	Dr. Tülin Tanrıdağ
11:40-12:30	Dementia, Alzheimer's disease and related dementias	Dr. Tülin Tanrıdağ
13:40-14:30	Introduction to neuroradiology	Dr. Onur Buğdaycı
14:40-15:30	Introduction to neuroradiology	Dr. Onur Buğdaycı
15:40-16:30	Management of pain	Dr. Beliz Bilgili
16:40-17:30	STUDY TIME	
Thursday	13 February	
08:40-09:30	Y2C3 THEORETICAL EXAM	
09:40-10:30		
10:40-11:30		
11:40-12:30		
13:40-14:30	Anesthetic premedication	Dr. Atıla Karaalp
14:40-15:30	Skeletal muscle relaxants	Dr. Atıla Karaalp
15:40-16:30	Pharmacotherapy of cognitive disorders	Dr. Zafer Gören
16:40-17:30	Histology LAB: Cerebrum, cerebellum and spinal cord	Dr. Dilek Akakın Dr. Masoud Afshani
Friday	14 February	
08:40-09:30	ICS-3: CSL- Neurologic Examination	Dr. Pinar Kahraman Koytak Dr. Amber Eker Bakkaloğlu

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09:40-10:30	ICS-3: CSL- Neurologic Examination	Dr. Pinar Kahraman Koytak Dr. Amber Eker Bakkaloğlu
10:40-11:30	ICS-3: CSL- Neurologic Examination	Dr. Pinar Kahraman Koytak Dr. Amber Eker Bakkaloğlu
11:40-12:30	ICS-3: CSL- Neurologic Examination	Dr. Pinar Kahraman Koytak Dr. Amber Eker Bakkaloğlu
13:40-14:30	ICS-3: CSL- Neurologic Examination	Dr. Pinar Kahraman Koytak Dr. Amber Eker Bakkaloğlu
14:40-15:30	ICS-3: CSL- Neurologic Examination	Dr. Pinar Kahraman Koytak Dr. Amber Eker Bakkaloğlu
15:40-16:30	ICS-3: CSL- Neurologic Examination	Dr. Pinar Kahraman Koytak Dr. Amber Eker Bakkaloğlu
16:40-17:30	ICS-3: CSL- Neurologic Examination	Dr. Pinar Kahraman Koytak Dr. Amber Eker Bakkaloğlu
7th Week (17 February - 21 February) 2020		
Monday	17 February	
08:40-09:30	Principles of CT and MRI	Dr. Günseli Ayşe Garip İňhan
09:40-10:30	Biophysics LAB: Principles of EEG-Group A	Dr. Pinar Mega Tiber Dr. Günseli Ayşe Garip İňhan
10:40-11:30	Biophysics LAB: Principles of EEG-Group B	Dr. Pinar Mega Tiber Dr. Günseli Ayşe Garip İňhan
11:40-12:30	Biophysics LAB: Principles of EEG-Group C	Dr. Pinar Mega Tiber Dr. Günseli Ayşe Garip İňhan
13:40-14:30	Biophysics LAB: Principles of EEG-Group D	Dr. Pinar Mega Tiber Dr. Günseli Ayşe Garip İňhan
14:40-15:30	Biophysics LAB: Principles of EEG-Group E	Dr. Pinar Mega Tiber Dr. Günseli Ayşe Garip İňhan
15:40-16:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç
	Elective Course-III (Turkish Students MDCN181 – Th. and Applied Forensic Sciences MDCN182 – Art & Craft for Medicine Students MDCN186 – Modern Indian Dance Course MDCN187 – Aerial Fitness & High Int. Interval Tr.	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Hande Tuğcan Inst. Yasemin Kurtoğlu
16:40-17:30	Turkish For Medical Students-IV (Foreign Students)	Inst. Emine Özerinç
	Elective Course-III (Turkish Students MDCN181 – Th. and Applied Forensic Sciences MDCN182 – Art & Craft for Medicine Students MDCN186 – Modern Indian Dance Course MDCN187 – Aerial Fitness & High Int. Interval Tr.	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Hande Tuğcan Inst. Yasemin Kurtoğlu
Tuesday	18 February	
08:40-09:30	Introduction to pathology of muscle diseases and peripheral nerve	Dr. Süheyla Bozkurt
09:40-10:30	Nervous system malformations	Dr. Süheyla Bozkurt
10:40-11:30	Pathology of central nervous system infections	Dr. Süheyla Bozkurt
11:40-12:30	Pathology of central nervous system infections	Dr. Süheyla Bozkurt
13:40-14:30	White matter of cerebrum	Dr. Ümit S. Şehirli
14:40-15:30	Visual pathway	Dr. Ümit S. Şehirli

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15:40-16:30	Anatomy LAB: Hypothalamus, pituitary, limbic system and pineal-Group A	Dr. Ümit S. Şehirli Dr. Berfu Çerçi Öngün
16:40-17:30	Anatomy LAB: Hypothalamus, pituitary, limbic system and pineal -Group B	
Wednesday	19 February	
08:40-09:30	Pathology of cerebrovascular disease	Dr. Süheyla Bozkurt
09:40-10:30	Pathology of cerebrovascular disease	Dr. Süheyla Bozkurt
10:40-11:30	Basic histopathologic neuronal reaction to injury	Dr. Süheyla Bozkurt
11:40-12:30	Neurodegenerative diseases & dementia	Dr. Süheyla Bozkurt
13:40-14:30	Slow virus infections and prion diseases	Dr. Ufuk Hasdemir
14:40-15:30	Rabies	Dr. Ufuk Hasdemir
15:40-16:30	Review: Development of the Nervous System	Dr. Masoud Afshani
16:40-17:30	STUDY TIME	
Thursday	20 February	
08:40-09:30	STUDY TIME	
09:40-10:30	Pathology of demyelinating diseases	Dr. Süheyla Bozkurt
10:40-11:30	Nervous system tumors	Dr. Süheyla Bozkurt
11:40-12:30	Nervous system tumors	Dr. Süheyla Bozkurt
13:40-14:30	Pathology LAB: Pathology of central nervous system	Dr. Süheyla Bozkurt
14:40-15:30	Pathology LAB: Pathology of central nervous system	Dr. Süheyla Bozkurt
15:40-16:30	Spinal trauma and degenerative diseases	Dr. Ferhat Harman
16:40-17:30	Head trauma and increased intracranial pressure	Dr. Mustafa İbrahim Ziyal
Friday	21 February	
08:40-09:30	PBL Module 4	Dr. Nevin Yılmaz Dr. Amber Eker Bakkaloğlu Dr. Nilüfer Güzoğlu
09:40-10:30	PBL Module 4	
10:40-11:30	ICS-3: Combining Medical Practice (CMPS)-1	Dr. Bülent Sezgin
11:40-12:30	ICS-3: Combining Medical Practice (CMPS)-1	Dr. Bülent Sezgin
13:40-14:30	ICS-3: Combining Medical Practice (CMPS)-1	Dr. Bülent Sezgin
14:40-15:30	ICS-3: Combining Medical Practice (CMPS)-1	Dr. Bülent Sezgin
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
8th Week (24 February - 28 March) 2020		
Monday	24 February	
08:40-09:30	STUDY TIME	
09:40-10:30	ANATOMY PRACTICAL EXAM Starts at 10 am	Dr. Berfu Çerçi Öngün
10:40-11:30		
11:40-12:30		
13:40-14:30	STUDY TIME	
14:40-15:30	STUDY TIME	
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	

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Tuesday	25 February	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	STUDY TIME	
11:40-12:30	STUDY TIME	
13:40-14:30	STUDY TIME	
14:40-15:30	STUDY TIME	
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
Wednesday	26 February	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	STUDY TIME	
11:40-12:30	STUDY TIME	
13:40-14:30	STUDY TIME	
14:40-15:30	STUDY TIME	
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
Thursday	27 February	
08:40-09:30	Y3C3 THEORETICAL EXAM Starts at 9.30 am	
09:40-10:30		
10:40-11:30		
11:40-12:30		
13:40-14:30		
14:40-15:30		
15:40-16:30		
16:40-17:30		
Friday	28 February	
08:40-09:30		
09:40-10:30		
10:40-11:30		
11:40-12:30		
13:40-14:30		
14:40-15:30		
15:40-16:30		
16:40-17:30		
	Y3C3 courses that are postponed to the next committee	
	Headache in Primary Care	Dr. Gülru Pemra Ünalán
	Headache in Primary Care	Dr. Gülru Pemra Ünalán