

Last update: May 28<sup>th</sup> 2020

**MARMARA UNIVERSITY – EASTERN MEDITERRANEAN UNIVERSITY**  
**INTERNATIONAL MEDICAL SCHOOL**  
**DISTANCE EDUCATION PROGRAM**  
**INTRODUCTION TO NERVOUS SYSTEM AND HUMAN BEHAVIOUR**  
**YEAR 1 COURSE 4**  
**2019-20**

\* online lecture given through [ders.uzem.marmara.edu.tr](http://ders.uzem.marmara.edu.tr)

\*\* online lecture given through **MS Teams Application**

<b>April 13<sup>th</sup> – April 17<sup>th</sup> Week</b>		
<b>Tuesday</b>	<b>14 April</b>	
<b>09:00-10:00</b>	Introduction to nervous system	Dr. Ümit Süleyman Şehirli*
<b>10:00-11:00</b>	Introduction to nervous system	Dr. Ümit Süleyman Şehirli*
<b>11:00-12:00</b>	Neurocranium	Dr. Ümit Süleyman Şehirli*
<b>12:00-13:00</b>	Neurocranium	Dr. Ümit Süleyman Şehirli*
<b>13:00-14:00</b>	Neurocranium	Dr. Ümit Süleyman Şehirli*
<b>Wednesday</b>	<b>15 April</b>	
<b>10:00-11:00</b>	Human systems and relations in psychological perspective	Dr. Axel Würz*
<b>11:00-12:00</b>	The use of psychology in medical context	Dr. Axel Würz*
<b>12:00-13:00</b>	Learning theory and its application in psychology	Dr. Axel Würz*
<b>13:00-14:00</b>	Learning theory and its application in psychology	Dr. Axel Würz*
<b>Thursday</b>	<b>16 April</b>	
<b>10:00-11:00</b>	Viscerocranium	Dr. Ural Verimli*
<b>11:00-12:00</b>	Viscerocranium	Dr. Ural Verimli*
<b>12:00-13:00</b>	Base of the skull	Dr. Ural Verimli*
<b>13:00-14:00</b>	Base of the skull	Dr. Ural Verimli*
<b>15:00-16:00</b>	Histology of endocrine organs	Dr. Masoud Afshani**
<b>Friday</b>	<b>17 April</b>	
<b>12:00-13:00</b>	Development of the nervous system	Dr. Serap Şirvancı*
<b>13:00-14:00</b>	Development of the nervous system	Dr. Serap Şirvancı*

<b>April 20<sup>th</sup> – April 24<sup>th</sup> Week</b>		
<b>Monday</b>	<b>20 April</b>	
<b>10:00-11:00</b>	Autonomic nervous system physiology	Dr. Berrak Yegen*
<b>11:00-12:00</b>	Autonomic nervous system physiology	Dr. Berrak Yegen*
<b>12:00-13:00</b>	Cortex	Dr. Ural Verimli*
<b>13:00-14:00</b>	Subcortical structures	Dr. Ural Verimli*
<b>14:10-16:00</b>	Medical English (Gr 1 & Gr 2)	Dr. Nazan Doğruer** Inst. Ayşe Kozansoy**
<b>Tuesday</b>	<b>21 April</b>	
<b>10:00-11:00</b>	Introduction to Medical Deontology and Ethics	Dr. Şefik Görkey*
<b>11:00-12:00</b>	Introduction to Medical Deontology and Ethics	Dr. Şefik Görkey*
<b>12:00-13:00</b>	Brain stem	Dr. Ural Verimli*
<b>13:00-14:00</b>	Adrenal and thymus gland	Dr. Ural Verimli*
<b>15:00-16:00</b>	Peptide hormones and catecholamines	Dr. Ergül Mutlu Altundağ **
<b>16:00-17:00</b>	Peptide hormones and catecholamines	Dr. Ergül Mutlu Altundağ **

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<b>Wednesday</b>	<b>22 April</b>	
<b>10:00-11:00</b>	Brain stem and reticular formation	Dr. Berrak Yegen*
<b>11:00-12:00</b>	Brain stem and reticular formation	Dr. Berrak Yegen*
<b>Friday</b>	<b>24 April</b>	
<b>09:00-10:00</b>	Chemical Mediators of Neurotransmission	Dr. Özgür Kasımay Çakır*
<b>10:00-11:00</b>	Hypothalamus and pituitary	Dr. Alper Yıldırım*
<b>11:00-12:00</b>	Sensory perception	Dr. Alper Yıldırım*
<b>12:00-13:00</b>	Vertebral column	Dr. Ural Verimli*
<b>13:00-14:00</b>	Vertebral column	Dr. Ural Verimli*

	<b>April 27<sup>th</sup> – May 01<sup>st</sup> Week</b>	
<b>Monday</b>	<b>27 April</b>	
<b>10:00-11:00</b>	Physiology of vision	Dr. Berrak Yegen*
<b>11:00-12:00</b>	Physiology of vision	Dr. Berrak Yegen*
<b>12:00-13:00</b>	Physiology of vision	Dr. Berrak Yegen*
<b>13:00-14:00</b>	Adrenal and thymus gland	Dr. Ural Verimli*
<b>14:10-16:00</b>	Medical English (Gr 1 & Gr 2)	Dr. Nazan Doğruer** Inst. Ayşe Kozansoy**
<b>Tuesday</b>	<b>28 April</b>	
<b>09:00-10:00</b>	Molecular genetics of nervous system	Dr. Ahmet İlater Güney*
<b>10:00-11:00</b>	General orientation to higher functions of the nervous system	Dr. Axel Würz*
<b>11:00-12:00</b>	General orientation to higher functions of the nervous system	Dr. Axel Würz*
<b>12:00-13:00</b>	Perception	Dr. Axel Würz*
<b>13:00-14:00</b>	Perception	Dr. Axel Würz*
<b>Wednesday</b>	<b>29 April</b>	
<b>10:00-11:00</b>	Medical professionalism	Dr. Şefik Görkey*
<b>11:00-12:00</b>	Informed consent	Dr. Şefik Görkey*
<b>12:00-13:00</b>	Peripheral nervous system	Dr. Özgür Kasımay Çakır*
<b>13:00-14:00</b>	Peripheral nervous system	Dr. Özgür Kasımay Çakır*
<b>Thursday</b>	<b>30 April</b>	
<b>09:00-10:00</b>	Learning memory and speech	Dr. Özgür Kasımay Çakır*
<b>10:00-11:00</b>	Learning memory and speech	Dr. Özgür Kasımay Çakır*
<b>11:00-12:00</b>	Synaptic transmission in learning and memory	Dr. Hülya Cabadak*
<b>12:00-13:00</b>	Synaptic transmission in learning and memory	Dr. Hülya Cabadak*
<b>14:00-15:00</b>	Orbit and its content	Dr. Aymelek Yalın**
<b>15:00-16:00</b>	Orbit and its content	Dr. Aymelek Yalın**

	<b>May 04<sup>th</sup> – May 08<sup>th</sup> Week</b>	
<b>Monday</b>	<b>04 May</b>	
<b>10:00-11:00</b>	Histology of the eye	Dr. Dilek Akakın*
<b>11:00-12:00</b>	Histology of the eye	Dr. Dilek Akakın*
<b>12:00-13:00</b>	Patient rights	Dr. Şefik Görkey*
<b>13:00-14:00</b>	Privacy and confidentiality	Dr. Şefik Görkey*
<b>14:10-16:00</b>	Medical English (Gr 1 & Gr 2)	Dr. Nazan Doğruer** Inst. Ayşe Kozansoy**

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<b>Tuesday</b>	<b>05 May</b>	
09:00-10:00	Synapses and neuronal integration	Dr. Hızır Kurtel*
10:00-11:00	Ethical issues at the beginning of life	Dr. Şefik Görkey*
11:00-12:00	Ethical issues at the end of life	Dr. Şefik Görkey*
14:00-15:00	Anatomy of the ear	Dr. Aymelek Yalın**
15:00-16:00	Anatomy of the ear	Dr. Aymelek Yalın**
<b>Wednesday</b>	<b>06 May</b>	
10:00-11:00	Introduction to primary care	Dr. Gülrü Pemra Ünalın*
11:00-12:00	Limbic system	Dr. Alper Yıldırım*
12:00-13:00	Biochemical aspect of nervous tissue	Dr. Ahmet Suha Yalçın*
13:00-14:00	Biochemical aspect of nervous tissue	Dr. Ahmet Suha Yalçın*
14:00-15:00	TFMS102 – Turkish for Medical Students-II (Foreign Students)	Inst. Emine Özerinç**
15:00-16:00		
<b>Thursday</b>	<b>07 May</b>	
10:00-11:00	Hormonal regulation of gonadal functions	Dr. Alper Yıldırım*
11:00-12:00	Hormonal regulation of gonadal functions	Dr. Alper Yıldırım*
12:00-13:00	Hormone structure and action	Dr. Ahmet Suha Yalçın*
13:00-14:00	Hormone structure and action	Dr. Ahmet Suha Yalçın*
14:00-15:00	<b>Y1C4 PBL Session 1</b>	Dr. Emre Hamurtekin **
15:00-16:00		Dr. Duygu Gençalp ** Dr. İlke Akçay ** Dr. Maryam Norouzbahari ** Inst. Gizem Şanlıtürk**
<b>Friday</b>	<b>08 May</b>	
09:00-10:00	Initiation of impulses in sense organs	Dr. Yaşar İnci Alican*
12:00-13:00	Cutaneous senses - Chemical senses	Dr. Yaşar İnci Alican*
15:00-16:00	TFMS102 – Turkish for Medical Students-II (Foreign Students)	Inst. Emine Özerinç**
16:00-17:00		

	<b>May 11<sup>h</sup> – May 15<sup>th</sup> Week</b>	
<b>Monday</b>	<b>11 May</b>	
10:00-11:00	Drives and motivation: The case of sexuality	Dr. Axel Würz*
11:00-12:00	Histology of the ear	Dr. Şule Çetinel*
12:00-13:00	Histology of the ear	Dr. Şule Çetinel*
13:00-14:00	Art and Anatomy	Dr. Şefik Görkey*
14:10-16:00	Medical English (Gr 1 & Gr 2)	Dr. Nazan Doğruer** Inst. Ayşe Kozansoy**
<b>Tuesday</b>	<b>12 May</b>	
09:00-10:00	Vestibular system	Dr. Alper Yıldırım*
10:00-11:00	Vestibular system	Dr. Alper Yıldırım*
11:00-12:00	Steroid and thyroid hormones	Dr. Betül Karademir*
12:00-13:00	Steroid and thyroid hormones	Dr. Betül Karademir*
13:00-14:00	TFMS102 – Turkish for Medical Students-II (Foreign Students)	Inst. Emine Özerinç**
14:00-15:00		
<b>Wednesday</b>	<b>13 May</b>	
09:00-10:00	Conduction properties of action potential	Dr. Günseli Ayşe Garip İnhan*
10:00-11:00	Thinking and language	Dr. Axel Würz*

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11:00-12:00	Thinking and language	Dr. Axel Würz*
12:00-13:00	Physiology of hearing	Dr. Hızır Kurtel*
13:00-14:00	Physiology of hearing	Dr. Hızır Kurtel*
14:00-15:00	Y1C4 PBL Session 2	Dr. Emre Hamurtekin ** Dr. Duygu Gençalp ** Dr. İlke Akçay **
15:00-16:00		Dr. Maryam Norouzbahari ** Inst. Gizem Şanlıtürk**
<b>Thursday</b>	<b>14 May</b>	
10:00-11:00	Signal transduction and sensory stimuli	Dr.Ergül Mutlu Altundağ **
11:00-12:00	Signal transduction and sensory stimuli	Dr.Ergül Mutlu Altundağ **
12:00-13:00	Brain and behaviour	Dr. Hakan Yöney *
13:00-14:00	Brain and behaviour	Dr. Hakan Yöney *
14:00-15:00	TFMS102 – Turkish for Medical Students-II (Foreign Students)	Inst. Emine Özerinç**
15:00-16:00		

	<b>May 18<sup>h</sup> – May 22<sup>nd</sup> Week</b>	
<b>Wednesday</b>	<b>20 May</b>	
10:00-11:00	Psychological development: Cognitive and social domains	Dr. Mesut Yıldız*
11:00-12:00	Psychological development: Cognitive and social domains	Dr. Mesut Yıldız*
12:00-13:00	Human intelligence: Human I.Q./E.Q	Dr. Hakan Yöney *
13:00-14:00	Human systems and relations: The case of organisations	Dr. Hakan Yöney *
14:00-15:00	Y1C4 PBL Session 3	Dr. Emre Hamurtekin ** Dr. Duygu Gençalp ** Dr. İlke Akçay **
15:00-16:00		Dr. Maryam Norouzbahari ** Inst. Gizem Şanlıtürk**
<b>Thursday</b>	<b>21 May</b>	
10:00-11:00	Emotions in cognitive and cultural context	Dr. Mesut Yıldız *
11:00-12:00	Emotions in cognitive and cultural context	Dr. Mesut Yıldız *
12:00-13:00	Memory systems	Dr. Yıldız Akvardar *
13:00-14:00	Memory systems	Dr. Yıldız Akvardar *
16:30-17:30	<b>Atatürk's Principles and History of Modern Turkey (HIST180)</b> <b>EXAM</b>	Dr. Turgay Bülent Göktürk**

	<b>May 25<sup>th</sup> – May 29<sup>th</sup> Week</b>	
<b>Wednesday</b>	<b>27 May</b>	
10:00-11:00	Optics of vision	Dr. Pınar Mega Tiber**
11:00-12:00	Optics of vision	Dr. Pınar Mega Tiber**
12:00-13:00	Development of the eye	Dr. Şule Çetinel**
13:00-14:00	Development of the ear	Dr. Şule Çetinel**
14:00-15:00	TFMS102 – Turkish for Medical Students-II (Foreign Students)	Inst. Emine Özerinç**
15:00-16:00		
16:00-17:00		
<b>Thursday</b>	<b>28 May</b>	
10:00-11:00	Multidisciplinary course: Socioeconomic and Cultural Parameters of Health	Dr. Özlem Sarıkaya* Dr. Arzu Uzuner*
11:00-12:00	Multidisciplinary course: Socioeconomic and Cultural Parameters of Health	Dr. Özlem Sarıkaya* Dr. Arzu Uzuner*

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12:00-13:00	Multidisciplinary course: Socioeconomic and Cultural Parameters of Health	Dr. Özlem Sarıkaya* Dr. Arzu Uzuner*
13:00-14:00	Multidisciplinary course: Socioeconomic and Cultural Parameters of Health	Dr. Özlem Sarıkaya* Dr. Arzu Uzuner*
<b>Friday</b>	<b>29 May</b>	
12:00-13:00	Introduction to lung, heart and vessels (Y1C3 makeup lectures)	Dr. Özlem Tuğçe Kaya*
13:00-14:00	Introduction to lung, heart and vessels (Y1C3 makeup lectures)	Dr. Özlem Tuğçe Kaya*
14:00-15:00	<b>Y1C4 PBL Session 4</b>	Dr. Emre Hamurtekin ** Dr. Duygu Gençalp ** Dr. İlke Akçay **
15:00-16:00		Dr. Maryam Norouzbahari ** Inst. Gizem Şanlıtürk**

	<b>June 01<sup>st</sup> – June 05<sup>th</sup> Week</b>	
<b>Monday</b>	<b>01 June</b>	
09:00-10:00	Multidisciplinary course: Socioeconomic and Cultural Parameters of Health	Dr. Özlem Sarıkaya* Dr. Arzu Uzuner*
10:00-11:00	Multidisciplinary course: Socioeconomic and Cultural Parameters of Health	Dr. Özlem Sarıkaya* Dr. Arzu Uzuner*
11:00-12:00	Multidisciplinary course: Socioeconomic and Cultural Parameters of Health	Dr. Özlem Sarıkaya* Dr. Arzu Uzuner*
12:00-13:00	Multidisciplinary course: Socioeconomic and Cultural Parameters of Health	Dr. Özlem Sarıkaya* Dr. Arzu Uzuner*
13:00-14:00	Multidisciplinary course: Socioeconomic and Cultural Parameters of Health	Dr. Özlem Sarıkaya* Dr. Arzu Uzuner*
14:10-16:00	Medical English (Gr 1 & Gr 2)	Dr. Nazan Doğruer** Inst. Ayşe Kozansoy**
<b>Tuesday</b>	<b>02 June</b>	
10:00-11:00	Biophysics of auditory system	Dr. Günseli Ayşe Garip İnan*
11:00-12:00	Biophysics of auditory system	Dr. Günseli Ayşe Garip İnan*
12:00-13:00	Receptive fields and retinal processing	Dr. Cevdet Nacar*
13:00-14:00	Receptive fields and retinal processing	Dr. Cevdet Nacar*
14:00-15:00	<b>Y1C4 PBL Session 5</b>	Dr. Emre Hamurtekin ** Dr. Duygu Gençalp ** Dr. İlke Akçay **
15:00-16:00		Dr. Maryam Norouzbahari ** Inst. Gizem Şanlıtürk**
<b>Wednesday</b>	<b>03 June</b>	
09:00-10:00	Multidisciplinary course: Socioeconomic and Cultural Parameters of Health	Dr. Özlem Sarıkaya* Dr. Arzu Uzuner*
10:00-11:00	Multidisciplinary course: Socioeconomic and Cultural Parameters of Health	Dr. Özlem Sarıkaya* Dr. Arzu Uzuner*
11:00-12:00	Multidisciplinary course: Socioeconomic and Cultural Parameters of Health	Dr. Özlem Sarıkaya* Dr. Arzu Uzuner*
12:00-13:00	Multidisciplinary course: Socioeconomic and Cultural Parameters of Health	Dr. Özlem Sarıkaya* Dr. Arzu Uzuner*
13:00-14:00	Multidisciplinary course: Socioeconomic and Cultural Parameters of Health	Dr. Özlem Sarıkaya* Dr. Arzu Uzuner*
14:00-15:00	TFMS102 – Turkish for Medical Students-II (Foreign Students)	Inst. Emine Özerinç**

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15:00-16:00		
16:00-17:00		
<b>Thursday</b>	<b>04 June</b>	
10:00-11:00	Temperament / Personality	Dr. Volkan Topçuoğlu*
11:00-12:00	Temperament / Personality	Dr. Volkan Topçuoğlu*
12:00-13:00	Biophysics of photoreception	Dr. Cevdet Nacar*
13:00-14:00	Biophysics of photoreception	Dr. Cevdet Nacar*
14:00-15:00	<b>Y1C4 PBL Session 6</b>	Dr. Emre Hamurtekin **
15:00-16:00		Dr. Duygu Gençalp **
		Dr. İlke Akçay **
		Dr. Maryam Norouzbahari **
		Inst. Gizem Şanlıtürk**
<b>Friday</b>	<b>05 June</b>	
11:00-12:00	Introduction to spleen, thymus and lymph nodes	Dr. Özlem Tuğçe Kaya*
12:00-13:00	Introduction to gastrointestinal system	Dr. Özlem Tuğçe Kaya*
13:00-14:00	Histology of nervous tissue	Dr. Masoud Afshani**
14:00-15:00	Histology of nervous tissue	Dr. Masoud Afshani**

#### LECTURERS

Ahmet İlater Güney, Assoc. Prof., Medical Genetics  
Ahmet Suha Yalçın, Prof., Medical Biochemistry  
Alper Yıldırım, Assoc. Prof., Physiology  
Arzu Uzuner, Prof., Family Medicine  
Aymelek Yalın, Prof., Anatomy  
Axel Würz, Inst., Psychiatry  
Ayşe Kozansoy, Inst., Medical English  
Berrak Yegen, Prof., Physiology  
Betül Karademir, Prof., Medical Biochemistry  
Cevdet Nacar, Assist. Prof., Biophysics  
Dilek Akakın, Assoc. Prof., Histology and Embryology  
Emine Özerinç, Inst., Turkish Language  
Ergül Mutlu Altundağ, Assist., Prof., Medical Biochemistry  
Gülru Pemra Ünalın, Prof., Family Medicine  
Günseli Ayşe Garip İnhan, Assoc. Prof., Biophysics  
Hakan Yöney, Prof., Psychiatry  
Hızır Kurtel, Prof., Physiology  
Hülya Cabadak, Prof., Biophysics  
Masoud Afshani, Assist. Prof., Histology and Embryology  
Mesut Yıldız, Assoc. Prof., Psychiatry  
Nazan Doğruer, Inst., Medical English  
Özgür Kasımay Çakır, Assoc. Prof., Physiology  
Özlem Sarıkaya, Assoc. Prof., Public Health  
Pınar Mega Tiber, Assist. Prof., Biophysics  
Serap Şirvancı, Prof., Histology and Embryology  
Şefik Görkey, Prof., Medical History and Ethics  
Şule Çetinel, Prof., Histology and Embryology  
Ural Verimli, Assist. Prof., Anatomy  
Ümit Süleyman Şehirli, Prof., Anatomy  
Volkan Topçuoğlu, Prof., Psychiatry  
Yaşar İnci Alican, Prof., Medical Physiology  
Yıldız Akvardar, Prof., Psychiatry

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