



INTRODUCTION TO NERVOUS SYSTEM AND HUMAN BEHAVIOR
YEAR 1 COURSE 4
March 27 – June 02, 2017

Coordinator of the Course 1.4

Assist. Prof., İlke AKÇAY

Coordinator of Multidisciplinary Students' Lab.

Assist. Prof., Mümtaz GÜRAN

Coordinator of Clinical Skill Lab.

Instructor, Dr. Berfu Çerçi Öngün

Coordinators of Assessment Unit

Assist. Prof., Mümtaz GÜRAN, Assist. Prof., İlke AKÇAY, Assist. Prof., Mevhibe HOCAOĞLU

Coordinator of ICS Res. Lab.

Assist. Prof., Mevhibe HOCAOĞLU
Assist. Prof., İlke AKÇAY

Year 1 Coordinators

Assoc. Prof., Dilek AKAKIN & Assoc. Prof., Mustafa AKKİPRİK

Module Coordinator

Assoc. Prof., Özlem SARIKAYA

Introduction to Clinician Skills (ICS) Coordinators

Prof., Sibel SAKARYA, Assoc. Prof., Pemra ÜNALAN

Coordinator of Multidisciplinary Students' Lab.

Assoc. Prof., Betül KARADEMİR

Coordinator of Assessment Unit

Asist. Prof., Cevdet NACAR

Vice-Chief Coordinators

Assessment

Asist. Prof., Cevdet NACAR

Students' Affairs

Asist. Prof., Can ERZİK

Chief Coordinator

Assoc. Prof., Hasan YANANLI

Coordinator of Medical Education Program

Evaluation and Development Commission

Prof., Berrak Ç. YEĞEN

Educational Consultant

Assoc. Prof., Mehmet Ali GÜLPINAR

Dean (EMU)

Prof., Nahide GÖKÇORA

Acting Dean (MU)

Prof., Ömer GÜNAL

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 healthcare
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 : Growth, Development, Mental and Endocrine Disorders

Year 3, Course 5: Urinary and Reproductive System and Related Disorders

INTRODUCTION TO NERVOUS SYSTEM AND HUMAN BEHAVIOR

Aim: At the end of this committee, first year students will gain a general sight to the concept of human body through the systems that constitute and define the main communicative network of the body. During this course students will also gain knowledge about the basic principles of human behaviour and the main concepts of medical ethics.

Learning Objectives: At the end of this committee, first year students will,

- define the structural elements of the nervous system
- be able to identify the different tissues regarding their structures, organization and functioning
- acquire knowledge concerning the development and differentiation process of the nervous system organs and their function
- acquire knowledge on human behavior
- acquire skills necessary to perform experimental applications
- explain evidences illustrating the existence of health inequalities and association between socio-economic position and health inequalities

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-1.4 & MODULE 1.4

- Anatomy
- Biochemistry
- Biophysics
- Histology & Embryology

- Medical Genetics
- Medical History and Ethics
- Physiology
- Psychiatry

LECTURERS / TUTORS

Alper YILDIRIM, Assist. Prof. of Physiology
Arzu UZUNER, Prof. of Family Medicine
Axel WÜRZ, Instructor of Psychiatry
Aydın KARAKUZU, Prof. of Cardiovascular Surgery
Ayfer ŞEN, Instructor of Medical English
Aymelek YALIN, Prof. of Anatomy
Ayşe GARİP, Assoc. Prof. of Biophysics
Ayşe KOZANSOY, Instructor of Medical English
Betül KARADEMİR, Assoc. Prof. of Biochemistry
Berfu Çerçi ÖNGÜN, Instructor of Anatomy
Berrak YEĞEN, Prof. of Physiology
Cevdet NACAR, Assist. Prof. of Biophysics
Dilek AKAKIN, Assoc. Prof. of Histology & Embryology
Hızır KURTEL, Prof. of Physiology
Hülya CABADAK, Assoc. Prof. of Biophysics
İlke AKÇAY, Assist. Prof. of Biostatistics
İlter GÜNEY, Assoc. Prof. of Medical Genetics
İnci ALICAN, Prof. of Physiology
Kemal KUŞÇU, Prof. of Psychiatry
Mehmet AKMAN, Assoc. Prof. of Public Health

Mevhibe HOCAOĞLU, Assist. Prof. of Public Health
Mümtaz GÜRAN, Assist. Prof. of Microbiology
Naife SEVDALI, Instructor of Clinical Psychology
Nevber İSTİLLOZLU, Instructor of Turkish Language
Oya ORUN, Assoc. Prof. of Biophysics
Önder ŞİRİKÇİ, Prof. of Biochemistry
Özgür KASIMAY ÇAKIR, Assoc. Prof. of Physiology
Özlem SARIKAYA, Assoc. Prof. of Medical Education
Özlem Tuğçe KAYA, Instructor. of Histology
Pemra ÜNALAN, Prof. of Family Medicine
Pınar MEGA TİBER, Assist. Prof. of Biophysics
Saime BATIREL, Assist. Prof. of Biochemistry
Sinem YILDIZ, Assist. Prof. of Medical Education
Şefik GÖRKEY, Prof. of Medical Ethics and History of Medicine
Şerife ÇELEBİ SÖKMEZ, Instructor of Turkish Language
Ural VERİMLİ, Prof. of Anatomy
Ümit ŞEHİRLİ, Prof. of Anatomy
Yıldız AKVARDAR, Prof. of Psychiatry

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 Anatomi; 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-Sanders, 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.
- Sert Gürkan: Hasta Hakları – Uluslararası Bildiriler ve Tıp Etiği Çerçevesinde
- Temel Histoloji; Junqueira LC, Carneiro J; Çeviri editörleri: Yener Aytekin, Seyhun Solakoğlu, Nobel Matbaacılık, 10th ed. 2003

SUMMARY OF THE COURSE 1.4

Discipline	Lecture & Group Discussion	Multidisciplinary Lab. & Clinical Skills Lab. Practice	Total
Anatomy	19	5	24
Biochemistry	10		10
Biophysics	9	4	13
Histology and Embryology	10	2	12
Medical Genetics	1		1
Medical History and Ethics	10		10
Multidisciplinary course	14		14
Psychiatry	23		23
Physiology	24	2	26
Subtotal	120	13	133
PBL Module	12		12
ICS-1: First Aid	21		21
ICS-1: Comp & SRA	13		13
Medical English	22		22
Communication in Turkish I	29		29
TOTAL	217	13	230

TEN WEEK PROGRAM

	Theoretical and Practical Sessions	Lecturer(s) / Tutor(s)
Week-1 (March 27-31, 2017)		
Monday 27 March, 2017		
08:40-09:30	Introduction to the course	Dr. İlke Akçay
09:40-10:30	ICS-1: First-Aid Course	Dr. Mehmet Akman, Dr. Berfu Çerçi Öngün, Dr. Bülent Sezgin
10:40-11:30	ICS-1: First-Aid Course	Dr. Mehmet Akman, Dr. Berfu Çerçi Öngün, Dr. Bülent Sezgin
11:40-12:30	ICS-1: First-Aid Course	Dr. Mehmet Akman, Dr. Berfu Çerçi Öngün, Dr. Bülent Sezgin, Dr. Aydın Karakuzu
13:40-14:30	ICS-1: First-Aid Course	Dr. Mehmet Akman, Dr. Berfu Çerçi Öngün, Dr. Bülent Sezgin, Dr. Aydın Karakuzu
14:40-15:30	ICS-1: First-Aid Course	Dr. Mehmet Akman, Dr. Berfu Çerçi Öngün, Dr. Bülent Sezgin, Dr. Aydın Karakuzu
15:40-16:30	ICS-1: First-Aid Course	Dr. Mehmet Akman, Dr. Berfu Çerçi Öngün, Dr. Bülent Sezgin, Dr. Aydın Karakuzu
16:40-17:30	ICS-1: First-Aid Course	Dr. Mehmet Akman, Dr. Berfu Çerçi Öngün, Dr. Bülent Sezgin, Dr. Aydın Karakuzu
Tuesday 28 March, 2017		
08:40-09:30	ICS-1: First-Aid Course	Dr. Mehmet Akman, Dr. Berfu Çerçi Öngün, Dr. Bülent Sezgin, Dr. Aydın Karakuzu
09:40-10:30	ICS-1: First-Aid Course	Dr. Mehmet Akman, Dr. Berfu Çerçi Öngün, Dr. Bülent Sezgin, Dr. Aydın Karakuzu
10:40-11:30	ICS-1: First-Aid Course	Dr. Mehmet Akman, Dr. Berfu Çerçi Öngün, Dr. Bülent Sezgin, Dr. Aydın Karakuzu
11:40-12:30	ICS-1: First-Aid Course	Dr. Mehmet Akman, Dr. Berfu Çerçi Öngün, Dr. Bülent Sezgin, Dr. Aydın Karakuzu

13:40-14:30	ICS-1: First-Aid Course	Dr. Mehmet Akman, Dr. Berfu Çerçi Öngün, Dr. Bülent Sezgin, Dr. Aydın Karakuzu
14:40-15:30	ICS-1: First-Aid Course	Dr. Mehmet Akman, Dr. Berfu Çerçi Öngün, Dr. Bülent Sezgin, Dr. Aydın Karakuzu
15:40-16:30	ICS-1: First-Aid Course	Dr. Mehmet Akman, Dr. Berfu Çerçi Öngün, Dr. Bülent Sezgin, Dr. Aydın Karakuzu
16:40-17:30	ICS-1: First-Aid Course	Dr. Mehmet Akman, Dr. Berfu Çerçi Öngün, Dr. Bülent Sezgin, Dr. Aydın Karakuzu
Wednesday 29 March, 2017		
08:40-09:30		
09:40-10:30	ICS-1: First-Aid Course	Dr. Mehmet Akman, Dr. Berfu Çerçi Öngün, Dr. Bülent Sezgin, Dr. Aydın Karakuzu
10:40-11:30	ICS-1: First-Aid Course	Dr. Mehmet Akman, Dr. Berfu Çerçi Öngün, Dr. Bülent Sezgin, Dr. Aydın Karakuzu
11:40-12:30	ICS-1: First-Aid Course	Dr. Mehmet Akman, Dr. Berfu Çerçi Öngün, Dr. Bülent Sezgin, Dr. Aydın Karakuzu
13:40-14:30	ICS-1: First-Aid Course	Dr. Mehmet Akman, Dr. Berfu Çerçi Öngün, Dr. Bülent Sezgin, Dr. Aydın Karakuzu
14:40-15:30	ICS-1: First-Aid Course	Dr. Mehmet Akman, Dr. Berfu Çerçi Öngün, Dr. Bülent Sezgin, Dr. Aydın Karakuzu
15:40-16:30	ICS-1: First-Aid Course	Dr. Mehmet Akman, Dr. Berfu Çerçi Öngün, Dr. Bülent Sezgin, Dr. Aydın Karakuzu
16:40-17:30		
Thursday 30 March, 2017		
08:40-09:30		

09:40-10:30	Introduction to nervous system	Dr. Ümit Şehirli
10:40-11:30	Introduction to nervous system	Dr. Ümit Şehirli
11:40-12:30	Neurocranium	Dr. Ümit Şehirli
13:40-14:30	Neurocranium	Dr. Ümit Şehirli
14:40-15:30	Neurocranium	Dr. Ümit Şehirli
15:40-16:30	Anatomy LAB: Neurocranium-Group A	Dr. Ümit Şehirli, Dr. Berfu Çerçi Öngün
16:40-17:30	Anatomy LAB: Neurocranium-Group B	Dr. Ümit Şehirli, Dr. Berfu Çerçi Öngün
Friday 31 March, 2017		
08:40-09:30	Viscerocranium	Dr. Ümit Şehirli
09:40-10:30	Viscerocranium	Dr. Ümit Şehirli
10:40-11:30	Base of the skull	Dr. Ümit Şehirli
11:40-12:30	Base of the skull	Dr. Ümit Şehirli
13:40-14:30	Vertebral column	Dr. Ümit Şehirli
14:40-15:30	Vertebral column	Dr. Ümit Şehirli
15:40-16:30	Anatomy LAB: Viscerocranium-Group A	Dr. Ümit Şehirli, Dr. Berfu Çerçi Öngün
16:40-17:30	Anatomy LAB: Viscerocranium-Group B	Dr. Ümit Şehirli, Dr. Berfu Çerçi Öngün
Week-2 (April 03-07, 2017)		
Monday 3 April, 2017		
08:40-09:30	Introduction to Medical Deontology and Ethics	Dr. Şefik Görkey
09:40-10:30	Introduction to Medical Deontology and Ethics	Dr. Şefik Görkey
10:40-11:30	Ethical Issues at the Beginning of Life	Dr. Şefik Görkey
11:40-12:30	Ethical Issues at the End of Life	Dr. Şefik Görkey
13:40-14:30	Opening lecture: Human systems and relations in psychological perspective	Dr. Axel Würz
14:40-15:30	Opening lecture: The use of psychology in medical	Dr. Axel Würz

	context	
15:40-16:30	General orientation to higher functions of the nervous system	Dr. Axel Würz
16:40-17:30	General orientation to higher functions of the nervous system	Dr. Axel Würz
Tuesday 4 April, 2017		
08:40-09:30		
09:40-10:30	Patient Rights	Dr. Şefik Görkey
10:40-11:30	Privacy and Confidentiality	Dr. Şefik Görkey
11:40-12:30	Informed Consent	Dr. Şefik Görkey
13:40-14:30	Learning theory and its application in psychology	Dr. Axel Würz
14:40-15:30	Learning theory and its application in psychology	Dr. Axel Würz
15:40-16:30	Perception	Dr. Axel Würz
16:40-17:30	Perception	Dr. Axel Würz
Wednesday 5 April, 2017		
08:40-09:30		
09:40-10:30	Medical Professionalism	Dr. Şefik Görkey
10:40-11:30	Art and Anatomy	Dr. Şefik Görkey
11:40-12:30	Drives and motivation: The case of sexuality	Dr. Axel Würz
13:40-14:30	Thinking and language	Dr. Axel Würz
14:40-15:30	Thinking and language	Dr. Axel Würz
15:40-16:30	Human intelligence: Human I.Q /E.Q	Dr. Axel Würz
16:40-17:30	Breath and Respiration: Historical and Cultural Perspectives	Dr. Şefik Görkey
Thursday 6 April, 2017		
08:40-09:30		
09:40-10:30		

10:40-11:30		
11:40-12:30		
13:40-14:30	Communication in Turkish – II (Gr1 & Gr2)	Inst. Nevber İstillozlu Inst. Şerife Çelebi Sökmez
14:40-15:30	Communication in Turkish – II (Gr1 & Gr2)	Inst. Nevber İstillozlu Inst. Şerife Çelebi Sökmez
15:40-16:30	Communication in Turkish – II (Gr1 & Gr2)	Inst. Nevber İstillozlu Inst. Şerife Çelebi Sökmez
16:40-17:30	Communication in Turkish – II (Gr1 & Gr2)	Inst. Nevber İstillozlu Inst. Şerife Çelebi Sökmez
Friday		7 April, 2017
08:40-09:30	Communication in Turkish – II (Gr1 & Gr2)	Inst. Nevber İstillozlu Inst. Şerife Çelebi Sökmez
09:40-10:30	Communication in Turkish – II (Gr1 & Gr2)	Inst. Nevber İstillozlu Inst. Şerife Çelebi Sökmez
10:40-11:30	STUDY TIME FOR ICS RESEARCH PROJECTS	
11:40-12:30	STUDY TIME FOR ICS RESEARCH PROJECTS	
13:40-14:30	Medical English (Gr1)	Sn. Inst. Ayşe Kozansoy
14:40-15:30	Medical English (Gr1)	Sn. Inst. Ayşe Kozansoy
15:40-16:30	Medical English (Gr1)	Sn. Inst. Ayşe Kozansoy
16:40-17:30		
Week-3 (April 10-14, 2017)		
Monday		10 April, 2017
08:40-09:30		
09:40-10:30	Medical English (Gr1 & Gr2)	Sn. Inst. Ayşe Kozansoy Sn. Inst. Ayfer Cavisilli
10:40-11:30	Medical English (Gr1 & Gr2)	Sn. Inst. Ayşe Kozansoy Sn. Inst. Ayfer Cavisilli
11:40-12:30	Medical English (Gr1 & Gr2)	Sn. Inst. Ayşe Kozansoy Sn. Inst. Ayfer Cavisilli

13:40-14:30	Communication in Turkish – II (Gr1 & Gr2)	Inst. Nevber İstillozlu Inst. Şerife Çelebi Sökmez
14:40-15:30	Communication in Turkish – II (Gr1 & Gr2)	Inst. Nevber İstillozlu Inst. Şerife Çelebi Sökmez
15:40-16:30	Communication in Turkish – II (Gr1 & Gr2)	Inst. Nevber İstillozlu Inst. Şerife Çelebi Sökmez
16:40-17:30	Communication in Turkish – II (Gr1 & Gr2)	Inst. Nevber İstillozlu Inst. Şerife Çelebi Sökmez
Tuesday 11 April, 2017		
08:40-09:30	Anatomy LAB: Vertebral Column-Group A	Dr. Ural Verimli, Dr. Berfu Çerçi Öngün
09:40-10:30	Anatomy LAB: Vertebral Column-Group B	Dr. Ural Verimli, Dr. Berfu Çerçi Öngün
10:40-11:30	Cortex	Dr. Ural verimli
11:40-12:30	Subcortical structures	Dr. Ural verimli
13:40-14:30	Brain stem	Dr. Ural verimli
14:40-15:30	Adrenal and thymus gland	Dr. Ural verimli
15:40-16:30		
16:40-17:30		
Wednesday 12 April, 2017		
08:40-09:30	Orbit and its content	Dr. Aymelek Yalın
09:40-10:30	Orbit and its content	Dr. Aymelek Yalın
10:40-11:30	Anatomy LAB: Orbit and its contents-Group A	Dr. Aymelek Yalın, Dr. Berfu Çerçi Öngün
11:40-12:30	Anatomy LAB: Orbit and its contents-Group B	Dr. Aymelek Yalın, Dr. Berfu Çerçi Öngün
13:40-14:30	PBL MODULE-1	Dr. İlke Akçay, Inst. Naife Sevdalı, Inst. Duygu Gençalp, Inst. Yönter Meray
14:40-15:30	PBL MODULE-1	Dr. İlke Akçay, Inst. Naife Sevdalı, Inst. Duygu Gençalp, Inst. Yönter

		Meray
15:40-16:30	Anatomy of the ear	Dr. Aymelek Yalın
16:40-17:30	Anatomy of the ear	Dr. Aymelek Yalın
Thursday 13 April, 2017		
08:40-09:30	Anatomy LAB: The ear-Group A	Dr. Aymelek Yalın, Dr. Berfu Çerçi Öngün
09:40-10:30	Anatomy LAB: The ear-Group B	Dr. Aymelek Yalın, Dr. Berfu Çerçi Öngün
10:40-11:30	Medical English (Gr1)	Sn. Inst. Ayşe Kozansoy
11:40-12:30	Medical English (Gr1)	Sn. Inst. Ayşe Kozansoy
13:40-14:30	ICS-1: Communication Skills Course Exam	Dr. Sinem Yıldız, Dr. Berfu Çerçi Öngün, Dr. İlke Akçay, Inst. Yöner Meray, Inst. Duygu Gencalp
14:40-15:30	ICS-1: Comp&SRA: SPSS & data analysis	Dr. Sinem Yıldız, Dr. İlke Akçay
15:40-16:30	ICS-1: Comp&SRA: SPSS & data analysis	Dr. Sinem Yıldız, Dr. İlke Akçay
16:40-17:30		
Friday 14 April, 2017		
08:40-09:30		
09:40-10:30		
10:40-11:30		
11:40-12:30		
13:40-14:30	STUDY TIME FOR ICS RESEARCH PROJECTS	
14:40-15:30	STUDY TIME FOR ICS RESEARCH PROJECTS	
15:40-16:30	STUDY TIME FOR ICS RESEARCH PROJECTS	
16.40-17.30	Molecular Genetics of Nervous System	Dr. İlder Güney
Week-4 (April 17-21, 2017)		
Monday 17 April, 2017		
08:40-09:30	Communication in Turkish – II (Gr1 & Gr2)	Inst. Nevber İstillozlu Inst. Şerife Çelebi Sökmez

09:40-10:30	Communication in Turkish – II (Gr1 & Gr2)	Inst. Nevber İstillozlu Inst. Şerife Çelebi Sökmez
10:40-11:30	STUDY TIME FOR ICS RESEARCH PROJECTS	
11:40-12:30	STUDY TIME FOR ICS RESEARCH PROJECTS	
13:40-14:30	Histology of nervous tissue	Dr. Özlem Tuğçe Kaya
14:40-15:30	Histology of nervous tissue	Dr. Özlem Tuğçe Kaya
15:40-16:30	Histology of endocrine organs	Dr. Özlem Tuğçe Kaya
16:40-17:30		
Tuesday 18 April, 2017		
08:40-09:30	Evidence-based Medicine	Dr. Mevhibe Hocaoğlu
09:40-10:30	Meta-analysis	Dr. Mevhibe Hocaoğlu
10:40-11:30	Communication in Turkish – II (Gr1 & Gr2)	Inst. Nevber İstillozlu Inst. Şerife Çelebi Sökmez
11:40-12:30	Communication in Turkish – II (Gr1 & Gr2)	Inst. Nevber İstillozlu Inst. Şerife Çelebi Sökmez
13:40-14:30	Psychological development: Cognitive and social domains	Dr. Kemal Kuşçu
14:40-15:30	Psychological development: Cognitive and social domains	Dr. Kemal Kuşçu
15:40-16:30	Emotions in cognitive and cultural context	Dr. Kemal Kuşçu
16:40-17:30	Emotions in cognitive and cultural context	Dr. Kemal Kuşçu
Wednesday 19 April, 2017		
08:40-09:30	Multidisciplinary course: Socioeconomic and Cultural Parameters of health	Dr. Özlem Sarıkaya - Dr. Arzu Uzun-er
09:40-10:30	Multidisciplinary course: Socioeconomic and Cultural Parameters of health	Dr. Özlem Sarıkaya - Dr. Arzu Uzun-er
10:40-11:30	Multidisciplinary course: Socioeconomic and Cultural Parameters of health	Dr. Özlem Sarıkaya - Dr. Arzu Uzun-er
11:40-12:30	Multidisciplinary course: Socioeconomic and Cultural Parameters of health	Dr. Özlem Sarıkaya - Dr. Arzu Uzun-er

13:40-14:30	Multidisciplinary course: Socioeconomic and Cultural Parameters of health	Dr. Özlem Sarıkaya - Dr. Arzu Uzun-er
14:40-15:30	Multidisciplinary course: Socioeconomic and Cultural Parameters of health	Dr. Özlem Sarıkaya - Dr. Arzu Uzun-er
15:40-16:30	PBL MODULE-2	Dr. İlke Akçay, Inst. Naife Sevdalı, Inst. Duygu Gençalp, Inst. Yönter Meray
16:40-17:30	PBL MODULE-2	Dr. İlke Akçay, Inst. Naife Sevdalı, Inst. Duygu Gençalp, Inst. Yönter Meray
Thursday 20 April, 2017		
08:40-09:30	Multidisciplinary course: Socioeconomic and Cultural Parameters of health	Dr. Özlem Sarıkaya - Dr. Arzu Uzun-er
09:40-10:30	Multidisciplinary course: Socioeconomic and Cultural Parameters of health	Dr. Özlem Sarıkaya - Dr. Arzu Uzun-er
10:40-11:30	Multidisciplinary course: Socioeconomic and Cultural Parameters of health	Dr. Özlem Sarıkaya - Dr. Arzu Uzun-er
11:40-12:30	Multidisciplinary course: Socioeconomic and Cultural Parameters of health	Dr. Özlem Sarıkaya - Dr. Arzu Uzun-er
13:40-14:30	Multidisciplinary course: Socioeconomic and Cultural Parameters of Health	Dr. Özlem Sarıkaya - Dr. Arzu Uzun-er
14:40-15:30	Multidisciplinary course: Socioeconomic and Cultural Parameters of Health	Dr. Özlem Sarıkaya - Dr. Arzu Uzun-er
15:40-16:30	Multidisciplinary course: Socioeconomic and Cultural Parameters of health	Dr. Özlem Sarıkaya - Dr. Arzu Uzun-er
16:40-17:30	Multidisciplinary course: Socioeconomic and Cultural Parameters of health	Dr. Özlem Sarıkaya - Dr. Arzu Uzun-er
Friday 21 April, 2017		
08:40-09:30		
09:40-10:30	ICS-1: Oral exam for FA	Dr. Pemra Ünalın, Dr.Aydın Karakuzu, Dr. Bülent Sezgin
10:40-11:30	ICS-1: Oral exam for FA	Dr. Pemra Ünalın, Dr.Aydın Karakuzu, Dr. Bülent Sezgin

11:40-12:30	ICS-1: Oral exam for FA	Dr. Pemra Ünalán, Dr.Aydın Karakuzu, Dr. Bülent Sezgin
13:40-14:30	ICS-1: Oral exam for FA	Dr. Pemra Ünalán, Dr.Aydın Karakuzu, Dr. Bülent Sezgin
14:40-15:30	ICS-1: Oral exam for FA	Dr. Pemra Ünalán, Dr.Aydın Karakuzu, Dr. Bülent Sezgin
15:40-16:30	ICS-1: Oral exam for FA	Dr. Pemra Ünalán, Dr.Aydın Karakuzu, Dr. Bülent Sezgin
16:40-17:30	ICS-1: Oral exam for FA	Dr. Pemra Ünalán, Dr.Aydın Karakuzu, Dr. Bülent Sezgin
Week-5 (April 24 - 28, 2017)		
Monday 24 April, 2017		
08:40-09:30	Biochemical aspect of nervous tissue	Dr. Saime Batirel
09:40-10:30	Biochemical aspect of nervous tissue	Dr. Saime Batirel
10:40-11:30	Communication in Turkish – II (Gr1 & Gr2)	Inst. Nevber İstillozlu Inst. Şerife Çelebi Sökmez
11:40-12:30	Communication in Turkish – II (Gr1 & Gr2)	Inst. Nevber İstillozlu Inst. Şerife Çelebi Sökmez
13:40-14:30	Hormone structure and action	Dr. Saime Batirel
14:40-15:30	Hormone structure and action	Dr. Saime Batirel
15:40-16:30	Peptide hormones and catecholamines	Dr. Saime Batirel
16:40-17:30	Peptide hormones and catecholamines	Dr. Saime Batirel
Tuesday 25 April, 2017		
08:40-09:30	Communication in Turkish – II (Gr1 & Gr2)	Inst. Nevber İstillozlu Inst. Şerife Çelebi Sökmez
09:40-10:30	Communication in Turkish – II (Gr1 & Gr2)	Inst. Nevber İstillozlu Inst. Şerife Çelebi Sökmez
10:40-11:30	Steroid and thyroid hormones	Dr. Betül Karademir
11:40-12:30	Steroid and thyroid hormones	Dr. Betül Karademir
13:40-14:30	Medical English (Gr1 & Gr2)	Sn. Inst. Ayşe Kozansoy Sn. Inst. Ayfer Civişilli

14:40-15:30	Medical English (Gr1 & Gr2)	Sn. Inst. Ayşe Kozansoy Sn. Inst. Ayfer Civisilli
15:40-16:30	PBL MODULE-3	Dr. İlke Akçay, Inst. Naife Sevdalı, Inst. Duygu Gençalp, Inst. Yönte Meray
16:40-17:30	PBL MODULE-3	Dr. İlke Akçay, Inst. Naife Sevdalı, Inst. Duygu Gençalp, Inst. Yönte Meray
Wednesday 26 April, 2017		
08:40-09:30		
09:40-10:30		
10:40-11:30	Signal transduction and sensory stimuli	Dr. Önder Şirikçi
11:40-12:30	Signal transduction and sensory stimuli	Dr. Önder Şirikçi
13:40-14:30	ICS-1: Students research presentations	Dr. Sinem Yıldız, Dr. Özlem Sarıkaya, Dr. Mevhibe Hocaoğlu, Dr. İlke Akçay
14:40-15:30	ICS-1: Students research presentations	Dr. Sinem Yıldız, Dr. Özlem Sarıkaya, Dr. Mevhibe Hocaoğlu, Dr. İlke Akçay
15:40-16:30	ICS-1: Students research presentations	Dr. Sinem Yıldız, Dr. Özlem Sarıkaya, Dr. Mevhibe Hocaoğlu, Dr. İlke Akçay
16:40-17:30	ICS-1: Students research presentations	Dr. Sinem Yıldız, Dr. Özlem Sarıkaya, Dr. Mevhibe Hocaoğlu, Dr. İlke Akçay
Thursday 27 April, 2017		
08:40-09:30	ICS-1: Comp&SRA: Rules for poster presentation and research report writing	Dr. Sinem Yıldız, Dr. İlke Akçay
09:40-10:30	ICS-1: Comp&SRA: Rules for poster presentation and research report writing	Dr. Sinem Yıldız, Dr. İlke Akçay
10:40-11:30	ICS-1: Comp&SRA: Rules for poster presentation and research report writing	Dr. Sinem Yıldız, Dr. İlke Akçay
11:40-12:30	ICS-1: Comp&SRA: Rules for poster presentation and research report writing	Dr. Sinem Yıldız, Dr. İlke Akçay

13:40-14:30	Communication in Turkish – II (Gr1 & Gr2)	Inst. Nevber İstillozlu Inst. Şerife Çelebi Sökmez
14:40-15:30	Communication in Turkish – II (Gr1 & Gr2)	Inst. Nevber İstillozlu Inst. Şerife Çelebi Sökmez
15:40-16:30	Brain and behaviour	Dr. Yıldız Akvardar
16:40-17:30	Brain and behaviour	Dr. Yıldız Akvardar
Friday 28 April, 2017		
08:40-09:30	ICS-1: Abstract writing and submission	
09:40-10:30	ICS-1: Abstract writing and submission	
10:40-11:30	ICS-1: Abstract writing and submission	
11:40-12:30	Temperament / Personality	Dr. Yıldız Akvardar
13:40-14:30	Temperament / Personality	Dr. Yıldız Akvardar
14:40-15:30	Memory systems	Dr. Yıldız Akvardar
15:40-16:30	Memory systems	Dr. Yıldız Akvardar
16:40-17:30	Human systems and relations: The case of organisations	Dr. Yıldız Akvardar
Week-6 (May 01-05, 2017)		
Monday 1 May, 2017		
08:30-09:30	HOLIDAY WORKERS' AND SPRING 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		
Tuesday 2 May, 2017		

08:40-09:30		
09:40-10:30	Communication in Turkish – II (Gr1 & Gr2)	Inst. Nevber İstillozlu Inst. Şerife Çelebi Sökmez
10:40-11:30	Communication in Turkish – II (Gr1 & Gr2)	Inst. Nevber İstillozlu Inst. Şerife Çelebi Sökmez
11:40-12:30	Communication in Turkish – II (Gr1 & Gr2)	Inst. Nevber İstillozlu Inst. Şerife Çelebi Sökmez
13:40-14:30	Medical English (Gr1 & Gr2)	Sn. Inst. Ayşe Kozansoy Sn. Inst. Ayfer Cavisilli
14:40-15:30	Medical English (Gr1 & Gr2)	Sn. Inst. Ayşe Kozansoy Sn. Inst. Ayfer Cavisilli
15:40-16:30	Medical English (Gr1 & Gr2)	Sn. Inst. Ayşe Kozansoy Sn. Inst. Ayfer Cavisilli
16:40-17:30		
Wednesday 3 May, 2017		
08:40-09:30		
09:40-10:30	Communication in Turkish – II (Gr1 & Gr2)	Inst. Nevber İstillozlu Inst. Şerife Çelebi Sökmez
10:40-11:30	Communication in Turkish – II (Gr1 & Gr2)	Inst. Nevber İstillozlu Inst. Şerife Çelebi Sökmez
11:40-12:30	Communication in Turkish – II (Gr1 & Gr2)	Inst. Nevber İstillozlu Inst. Şerife Çelebi Sökmez
13:40-14:30	Medical English (Gr1 & Gr2)	Sn. Inst. Ayşe Kozansoy Sn. Inst. Ayfer Cavisilli
14:40-15:30	Medical English (Gr1 & Gr2)	Sn. Inst. Ayşe Kozansoy Sn. Inst. Ayfer Cavisilli
15:40:16:30	Medical English (Gr1 & Gr2)	Sn. Inst. Ayşe Kozansoy Sn. Inst. Ayfer Cavisilli
16:40-17:30		
Thursday 4 May, 2017		
08:40-09:30	EMIMSC 2017	

09:40-10:30	EASTERN MEDITERRANEAN INTERNATIONAL MEDICAL STUDENTS CONGRESS 2017	
10:40-11:30		
11:40-12:30		
13:40-14:30		
14:40-15:30		
15:40-16:30		
13:40-14:30		
Friday 5 May, 2017		
08:40-09:30	EMIMSC 2017 EASTERN MEDITERRANEAN INTERNATIONAL MEDICAL STUDENTS CONGRESS 2017	
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		
Week-7 (May 08-12, 2017)		
Monday 8 May, 2017		
08:30-09:30		
09:40-10:30	Synapses and neuronal integration	Dr. Hızır Kurtel
10:40-11:30	Physiology of hearing	Dr. Hızır Kurtel
11:40-12:30	Physiology of hearing	Dr. Hızır Kurtel
13:40-14:30	Histology of the ear	Dr. Dilek Akakın
14:40-15:30	Histology of the ear	Dr. Dilek Akakın
15:40-16:30	Histology of the eye	Dr. Dilek Akakın
16:40-17:30	Histology of the eye	Dr. Dilek Akakın

Tuesday 9 May, 2017		
08:40-09:30	Histology LAB: Nervous Tissue-Group A	Dr. Dilek Akakin, Inst. Masoud Afshani
09:40-10:30	Histology LAB: Nervous Tissue-Group A	Dr. Dilek Akakin, Inst. Masoud Afshani
10:40-11:30	Histology LAB: Nervous Tissue-Group B	Dr. Dilek Akakin, Inst. Masoud Afshani
11:40-12:30	Histology LAB: Nervous Tissue-Group B	Dr. Dilek Akakin, Inst. Masoud Afshani
13:40-14:30	Development of nervous system	Dr. Dilek Akakin
14:40-15:30	Development of nervous system	Dr. Dilek Akakin
15:40-16:30	PBL MODULE-4	Dr. İlke Akçay, Inst. Naife Sevdalı, Inst. Duygu Gençalp, Inst. Yönte Meray
16:40-17:30	PBL MODULE-4	Dr. İlke Akçay, Inst. Naife Sevdalı, Inst. Duygu Gençalp, Inst. Yönte Meray
Wednesday 10 May, 2017		
08:40-09:30	Development of ear and eye	Dr. Dilek Akakin
09:40-10:30		
10:40-11:30	Optics of vision	Dr. Pinar Mega Tiber
11:40-12:30	Optics of vision	Dr. Pinar Mega Tiber
13:40-14:30	Biophysics LAB: Electrooculogram	Dr. Pinar Mega Tiber, Dr. Oya Orun
14:40-15:30	Biophysics LAB: Electrooculogram	Dr. Pinar Mega Tiber, Dr. Oya Orun
15:40-16:30	Biophysics LAB: Electrooculogram	Dr. Pinar Mega Tiber, Dr. Oya Orun
16:40-17:30	Biophysics LAB: Electrooculogram	Dr. Pinar Mega Tiber, Dr. Oya Orun
Thursday 11 May, 2017		
08:40-09:30	MASCO 2017 MARMARA STUDENT CONGRESS 2017	
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	12 May, 2017	
08:40-09:30	MASCO 2017 MARMARA STUDENT CONGRESS 2017	
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		
Week-8 (May 15-19, 2017)		
Monday	15 May, 2017	
08:30-09:30		
09:40-10:30	Medical English (Gr1 & Gr2)	Sn. Inst. Ayşe Kozansoy Sn. Inst. Ayfer Civisilli
10:40-11:30	Medical English (Gr1 & Gr2)	Sn. Inst. Ayşe Kozansoy Sn. Inst. Ayfer Civisilli
11:40-12:30	Medical English (Gr1 & Gr2)	Sn. Inst. Ayşe Kozansoy Sn. Inst. Ayfer Civisilli
13:40-14:30	Initiation of impulses in sense organs	Dr İnci Alican
14:40-15:30	Cutaneous senses	Dr İnci Alican
15:40-16:30	Chemical senses	Dr İnci Alican
16:40-17:30		

Tuesday 16 May, 2017		
08:30-09:30	Brain stem and reticular formation	Dr. Berrak Yegen
09:40-10:30	Brain stem and reticular formation	Dr. Berrak Yegen
10:40-11:30	Autonomic nervous system physiology	Dr. Berrak Yegen
11:40-12:30	Autonomic nervous system physiology	Dr. Berrak Yegen
13:40-14:30	Medical English (Gr1 & Gr2)	Sn. Inst. Ayşe Kozansoy Sn. Inst. Ayfer Civisilli
14:40-15:30	Medical English (Gr1 & Gr2)	Sn. Inst. Ayşe Kozansoy Sn. Inst. Ayfer Civisilli
15:40-16:30	PBL MODULE-5	Dr. İlke Akçay, Inst. Naife Sevdalı, Inst. Duygu Gençalp, Inst. Yönter Meray
16:40-17:30	PBL MODULE-5	Dr. İlke Akçay, Inst. Naife Sevdalı, Inst. Duygu Gençalp, Inst. Yönter Meray
Wednesday 17 May, 2017		
08:30-09:30		
09:40-10:30	Physiology of vision	Dr. Berrak Yegen
10:40-11:30	Physiology of vision	Dr. Berrak Yegen
11:40-12:30	Physiology of vision	Dr. Berrak Yegen
13:40-14:30	Conduction properties of action potential	Dr. Ayşe Garip
14:40-15:30	Biophysics of auditory system	Dr. Ayşe Garip
15:40-16:30	Biophysics of auditory system	Dr. Ayşe Garip
16:40-17:30		
Thursday 18 May, 2017		
08:30-09:30	Biophysics of photoreception	Dr. Cevdet Nacar
09:40-10:30	Receptive fields and retinal processing	Dr. Cevdet Nacar
10:40-11:30	Synaptic transmission in learning and memory	Dr. Hülya Cabadak
11:40-12:30	Synaptic transmission in learning and memory	Dr. Hülya Cabadak

13:40-14:30	Biophysics LAB: Biofeedback and Reaction Time	Dr. Cevdet Nacar, Dr. Hülya Cabadak
14:40-15:30	Biophysics LAB: Biofeedback and Reaction Time	Dr. Cevdet Nacar, Dr. Hülya Cabadak
15:40-16:30	Biophysics LAB: Biofeedback and Reaction Time	Dr. Cevdet Nacar, Dr. Hülya Cabadak
16:40-17:30	Biophysics LAB: Biofeedback and Reaction Time	Dr. Cevdet Nacar, Dr. Hülya Cabadak
Friday	19 May, 2017	
08:30-09:30	HOLIDAY ATATÜRK COMMEMORATION, YOUTH AND SPORTS 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		
Week-9 (May 22-26, 2017)		
Monday	22 May, 2017	
08:30-09:30	Limbic system	Dr. Alper Yıldırım
09:40-10:30	Hypothalamus and pituitary	Dr. Alper Yıldırım
10:40-11:30	Learning memory and speech	Dr. Özgür Kasımay Çakır
11:40-12:30	Learning memory and speech	Dr. Özgür Kasımay Çakır
13:40-14:30		
14:40-15:30	Vestibular system	Dr. Alper Yıldırım
15:40-16:30	Vestibular system	Dr. Alper Yıldırım
16:40-17:30	Sensory perception	Dr. Alper Yıldırım

Tuesday 23 May, 2017		
08:30-09:30		
09:40-10:30	Communication in Turkish – II (Gr1 & Gr2)	Inst. Nevber İstillozlu Inst. Şerife Çelebi Sökmez
10:40-11:30	Communication in Turkish – II (Gr1 & Gr2)	Inst. Nevber İstillozlu Inst. Şerife Çelebi Sökmez
11:40-12:30	Communication in Turkish – II (Gr1 & Gr2)	Inst. Nevber İstillozlu Inst. Şerife Çelebi Sökmez
13:40-14:30	Medical English (Gr1 & Gr2)	Sn. Inst. Ayşe Kozansoy Sn. Inst. Ayfer Civisilli
14:40-15:30	Medical English (Gr1 & Gr2)	Sn. Inst. Ayşe Kozansoy Sn. Inst. Ayfer Civisilli
15:40-16:30	Medical English (Gr1 & Gr2)	Sn. Inst. Ayşe Kozansoy Sn. Inst. Ayfer Civisilli
16:40-17:30		
Wednesday 24 May, 2017		
08:30-09:30	Physiology LAB: Tests for vision and hearing physiology	Dr. Özgür Kasımay Çakır, Dr. Alper Yıldırım
09:40-10:30	Physiology LAB: Tests for vision and hearing physiology	Dr. Özgür Kasımay Çakır, Dr. Alper Yıldırım
10:40-11:30	Physiology LAB: Tests for vision and hearing physiology	Dr. Özgür Kasımay Çakır, Dr. Alper Yıldırım
11:40-12:30	Physiology LAB: Tests for vision and hearing physiology	Dr. Özgür Kasımay Çakır, Dr. Alper Yıldırım
13:40-14:30	Hormonal regulation of gonadal functions	Dr. Alper Yıldırım
14:40-15:30	PBL MODULE-6	Dr. İlke Akçay, Inst. Naife Sevdalı, Inst. Duygu Gençalp, Inst. Yönter Meray
15:40-16:30	PBL MODULE-6	Dr. İlke Akçay, Inst. Naife Sevdalı, Inst. Duygu Gençalp, Inst. Yönter Meray
16:40-17:30		

Thursday		25 May, 2017	
08:30-09:30	Chemical Mediators of Neurotransmission		Dr. Özgür Kasımay Çakır
09:40-10:30	Peripheral nervous system		Dr. Özgür Kasımay Çakır
10:40-11:30	Peripheral nervous system		Dr. Özgür Kasımay Çakır
11:40-12:30			
13:40-14:30	Medical English (Gr2)		Sn. Inst. Ayfer Cavisilli
14:40-15:30	Medical English (Gr2)		Sn. Inst. Ayfer Cavisilli
15:40-16:30	Medical English (Gr2)		Sn. Inst. Ayfer Cavisilli
16:40-17:30			
Friday		26 May, 2017	
08:30-09:30			
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			
Week-10 (May 29-June 02, 2017)			
Monday		29 May, 2017	
08:30-09:30	PRACTICAL EXAM		
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		
Tuesday	30 May, 2017	
08:30-09:30	PRACTICAL EXAM	
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	31 May, 2017	
08:30-09:30		
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		
Thursday	1 June, 2017	
08:30-09:30		
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		

Friday	2 June, 2017	
08:30-09:30		
09:40-10:30	THEORETICAL EXAM (starts at 9:30)	
10:40-11:30		
11:40-12:30		
13:40-14:30		
14:40-15:30		
15:40-16:30		
16:40-17:30		