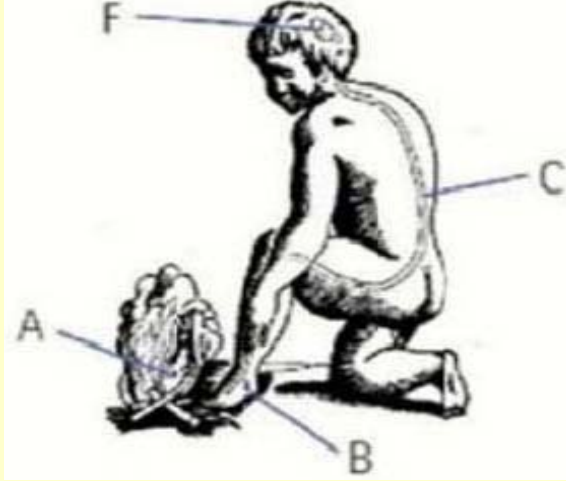




**MARMARA UNIVERSITY – EASTERN MEDITERRANEAN
UNIVERSITY
INTERNATIONAL MEDICAL SCHOOL**



INTRODUCTION TO NERVOUS SYSTEM AND HUMAN BEHAVIOR

YEAR 1 COURSE 4

APRIL 13, 2014 – JUNE 17, 2014

Coordinator of the Course 1.4 Instructor, Dila ŞENER	Coordinator of the Module 1.4 Asist. Prof., Mümtaz GÜRAN
Coordinator of Multidisciplinary Students' Lab. Instructor, Dila ŞENER	Coordinator of Clinical Skill Lab. Assist. Prof., Canan ZAIMOĞLU
Coordinators of Assessment Unite Asist. Prof., Ayşe ÜLGEN, Instructor, Dila ŞENER Asist. Prof., Mümtaz GÜRAN	Coordinator of ICS Res. Lab. Asist. Prof., Ayşe ÜLGEN
Year 1 Coordinators Assoc. Prof., Arzu UZUNER & Assoc. Prof., Mustafa AKKİPRİK	
Module Coordinator Assoc. Prof., Özlem SARIKAYA	Introduction to Clinician Skills (ICS) Coordinator Prof., Sibel KALAÇA&Assoc.Prof.Pemra C.Ünalın
Coordinator of Multidisciplinary Students' Lab. Assist. Prof., Betül KARADEMİR	Coordinator of Assessment Unite Assist. Prof., Cevdet NACAR
Vice-Chief Coordinators	
Assessment Assist. Prof., Cevdet NACAR	Students' Affairs Assist. Prof., Can ERZİK
Chief Coordinator (Pre-Clinical Education) Assoc. Prof., Hasan R. 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	Dean (MU) Prof., Ömer GÜNAL

MU-EMU INTERNATIONAL MEDICAL SCHOOL PRE-CLINICAL EDUCATION PROGRAM

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 and LEARNING OBJECTIVES of COURSE

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 behavior and the main concepts of medical ethics..

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

1. define the structural elements of the nervous system
2. be able to identify the different tissues regarding their structures, organization and functioning
3. acquire knowledge concerning the development and differentiation process of the nervous system organs and their function
4. acquire knowledge on human behavior
5. acquire skills necessary to perform experimental applications
6. 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 - 4 & MODULE – 4

- Anatomy
- Biochemistry
- Biophysics
- Family Medicine
- Histology & Embryology

- Medical Education
- Medical History & Ethics
- Medical Genetic
- Physiology
- Psychiatry
- Biostatistics

LECTURERS / TUTORS

Arzu UZUNER, Assoc. Prof., Family Medicine
Ayşe GARİP, Assoc. Prof., Biophysics
Ayşe ÜLGEN, Assist. Prof., Biostatistics
Axel WÜRZ, Prof., Psychiatry
Berna LAÇİN, Assoc. Prof., Physiology
Berrak Yeğen, Prof., Physiology
Betül KARADEMİR, Assist. Prof., Biochemistry
Canan ZAIMOĞLU, Assist. Prof., Pediatrics
Cevdet NACAR, Assist. Prof., Biophysics
Dila ŞENER, Instructor, Histology & Emb.
Dilek AKAKIN, Instructor, Histology & Emb.
Hülya CABADAK, Assoc. Prof., Biophysics
İlter GÜNEY, Assoc. Prof., Medical Genetic
Kemal KUŞÇU, Assoc. Prof., Psychiatry

Mehmet AKMAN, Assoc. Prof., Family Medicine
Nahide GÖKÇORA, Prof., Nuclear Medicine
Naife SEVDALI, Instructor, Clinical Psychology
Oya ORUN, Assist. Prof., Biophysics
Önder ŞİRİKÇİ, Prof., Biochemistry
Özgür KASIMAY ÇAKIR, Assoc. Prof., Physiology
Özlem SARIKAYA, Assoc. Prof., Medical Education
Pemra ÜNALAN, Assoc. Prof., Family Medicine
Pınar MEGA TİBER, Assist. Prof., Biophysics
Saime BATIREL, Assist. Prof., Biochemistry
Sinem YILDIZ, Assist. Prof., Medical Education
Şefik GÖRKEY, Prof., Medical History & Ethics
Tolga GÜVEN, Assist. Prof., Medical History & Ethics
Ümit ŞEHİRLİ, Assoc. Prof., Anatomy
Yıldız AKVARDAR, Prof., 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 Anatomisi; 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-Saudersd, 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	18	6	24
Biochemistry	10		10
Biophysics	11	8	19
Family Medicine	1		1
Histology and Embryology	11	2	13
Medical History and Ethics	6		6
Medical Genetic	1		1
Socioeconomic and Cultural Parameters of Health	10		10
Physiology	25	2	27
Behavioral Science	21		23
Subtotal	114	18	132
PBL Module	10		10
ICS-1: Computer Skills & Students' Research activities	8		8
ICS-1: First aid/CS (exam)	1	6	7
Medical English (I-II)	28		28
Communication in Turkish-II (for foreign students)	26		26
TOTAL	187	24	211

TEN WEEK PROGRAM

	Theoretical and Practical Sessions	Lecturer(s) / Tutor(s)
1. WEEK		
Monday,	13 April, 2015	
08:40-09:30	Opening lecture: Human systems and relations in psychological perspective	Dr. Axel Würz
09:40-10:30	Opening lecture: The use of psychology in medical context	Dr. Axel Würz
10:40-11:30	General orientation to higher functions of the nervous system	Dr. Axel Würz
11:40-12:30	General orientation to higher functions of the nervous system	Dr. Axel Würz
13:40-14:30	Medical English	Dr. Ayşe Kozansoy
14:40-15:30	Medical English	Dr. Ayşe Kozansoy
15:40-16:30	Learning Theory and its application in psychology	Dr. Axel Würz
16:40-17:30	Learning Theory and its application in psychology	Dr. Axel Würz
Tuesday,	14 April, 2015	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	STUDY TIME	
11:40-12:30	Art and Anatomy	Dr. Şefik Görkey
13:40-14:30	Communication in Turkish-II	Emine Özerinç
14:40-15:30	Communication in Turkish-II	Emine Özerinç
15:40-16:30	Patient Rights	Dr. Şefik Görkey
16:40-17:30	Privacy and confidentiality	Dr. Şefik Görkey
Wednesday,	15 April, 2015	
08:40-09:30	STUDY TIME	
09:40-10:30	Breath and respiration: Historical and cultural perspectives	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	Medical English	Dr. Ayşe Kozansoy
14:40-15:30	Medical English	Dr. Ayşe Kozansoy
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
Thursday,	16 April, 2015	
08:40-09:30	Histology of nervous tissue	Dr. Dila Şener
09:40-10:30	Histology of nervous tissue	Dr. Dila Şener
10:40-11:30	Brain stem and reticular formation	Dr. Berna Laçın
11:40-12:30	Brain stem and reticular formation	Dr. Berna Laçın
13:40-14:30	ICS-1:Comp&SRA: Presentations and feedback for the research groups	Dr.Özlem Sarıkaya, Dr.Sinem Yıldız, Dr. Ayşe Ülgen
14:40-15:30	ICS-1:Comp&SRA: Presentations and feedback for the research groups	Dr.Özlem Sarıkaya, Dr.Sinem Yıldız, Dr. Ayşe Ülgen
15:40-16:30	ICS-1:Comp&SRA: Presentations and feedback for the research groups	Dr.Özlem Sarıkaya, Dr.Sinem Yıldız, Dr. Ayşe Ülgen
16:40-17:30	ICS-1:Comp&SRA: Presentations and feedback for the research groups	Dr.Özlem Sarıkaya, Dr.Sinem Yıldız, Dr. Ayşe Ülgen
Friday,	17 April, 2015	
08:40-09:30	Limbic system	Dr. Alper Yıldırım
09:40-10:30	Hypothalamus and pituitary	Dr. Alper Yıldırım

10:40-11:30	PBL MODULE-1	Dr.Dila Şener, Dr.Mümtaz Güran, Dr.Ayşe Ülgen, Dr.Naife Sevdalı
11:40-12:30	PBL MODULE-1	Dr.Dila Şener, Dr.Mümtaz Güran, Dr.Ayşe Ülgen, Dr.Naife Sevdalı
13:40-14:30	Molecular genetics of nervous system	Dr. İter Güney
14:40-15:30	Communication in Turkish-II	Emine Özerinç
15:40-16:30	Communication in Turkish-II	Emine Özerinç
16:40-17:30	STUDY TIME	
2. WEEK		
Monday,	20 April, 2015	
08:40-09:30	Introduction to nervous system	Dr. Ümit Şehirli
09:40-10:30	Introduction to nervous system	Dr. Ümit Şehirli
10:40-11:30	Viscerocranium	Dr. Ümit Şehirli
11:40-12:30	Viscerocranium	Dr. Ümit Şehirli
13:40-14:30	LAB: Viscerocranium	Dr. Ümit Şehirli Dr. Berfu Çerçi Öngün
14:40-15:30	Neurocranium	Dr. Ümit Şehirli
15:40-16:30	Neurocranium	Dr. Ümit Şehirli
16:40-17:30	LAB: Neurocranium	Dr. Ümit Şehirli Dr. Berfu Çerçi Öngün
Tuesday,	21 April, 2015	
08:40-09:30	Base of the skull	Dr. Ümit Şehirli
09:40-10:30	Base of the skull	Dr. Ümit Şehirli
10:40-11:30	LAB: Base of the skull	Dr. Ümit Şehirli Dr. Berfu Çerçi Öngün
11:40-12:30	STUDY TIME	
13:40-14:30	Communication in Turkish-II	Emine Özerinç
14:40-15:30	Communication in Turkish-II	Emine Özerinç
15:40-16:30	Cortex	Dr. Ümit Şehirli
16:40-17:30	Subcortical Structures	Dr. Ümit Şehirli
Wednesday,	22 April, 2015	
08:40-09:30	Medical Professionalism	Dr. Tolga Güven
09:40-10:30	Informed Consent	Dr. Tolga Güven
10:40-11:30	Communication in Turkish-II	Emine Özerinç
11:40-12:30	Communication in Turkish-II	Emine Özerinç
13:40-14:30	Medical English	Dr. Ayşe Kozansoy
14:40-15:30	Medical English	Dr. Ayşe Kozansoy
15:40-16:30	STUDY TIME FOR PBL	
16:40-17:30	STUDY TIME FOR PBL	
Thursday,	23 April, 2015	
08:40-17:30	HOLIDAY	
Friday,	24 April, 2015	

08:40-09:30	STUDY TIME	
09:40-10:30	Cerebrum, cerebellum and spinal cord	Dr. Dilek Akakın
10:40-11:30	Histology LAB: Nervous Tissue	Dr. Dilek Akakın Dr. Dila Şener
11:40-12:30	Histology LAB: Nervous Tissue	Dr.Dilek Akakın-Dr.Dila Şener
13:40-14:30	Development of nervous system and endocrine organs	Dr. Dilek Akakın
14:40-15:30	Development of nervous system and endocrine organs	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
3. WEEK		
Monday,	27 April, 2015	
08:40-09:30	Communication in Turkish-II	Emine Özeriç
09:40-10:30	Communication in Turkish-II	Emine Özeriç
10:40-11:30	PBL MODULE-2	Dr.Dila Şener, Dr.Mümtaz Güran, Dr.Ayşe Ülgen, Dr.Naife Sevdalı
11:40-12:30	PBL MODULE-2	Dr.Dila Şener, Dr.Mümtaz Güran, Dr.Ayşe Ülgen, Dr.Naife Sevdalı
13:40-14:30	Medical English	Dr. Ayşe Kozansoy
14:40-15:30	Medical English	Dr. Ayşe Kozansoy
15:40-16:30	STUDY TIME FOR PBL	
16:40-17:30	STUDY TIME FOR PBL	
Tuesday,	28 April, 2015	
08:40-09:30	STUDY TIME FOR PBL	
09:40-10:30	STUDY TIME FOR PBL	
10:40-11:30	PBL MODULE-3	Dr.Dila Şener, Dr.Mümtaz Güran, Dr.Ayşe Ülgen, Dr.Naife Sevdalı
11:40-12:30	PBL MODULE-3	Dr.Dila Şener, Dr.Mümtaz Güran, Dr.Ayşe Ülgen, Dr.Naife Sevdalı
13:40-14:30	Communication in Turkish-II	Emine Özeriç
14:40-15:30	Communication in Turkish-II	Emine Özeriç
15:40-16:30	STUDY TIME FOR PBL	
16:40-17:30	STUDY TIME FOR PBL	
Wednesday,	29 April, 2015	
08:40-09:30	Biophysics of Photoreception	Dr.Cevdet Nacar
09:40-10:30	Biophysics of Photoreception	Dr.Cevdet Nacar
10:40-11:30	Receptive Fields and Retinal Processing	Dr.Cevdet Nacar
11:40-12:30	Receptive Fields and Retinal Processing	Dr.Cevdet Nacar
13:40-14:30	Biophysics Lab: Biofeedback and Reaction Time	Dr.Hülya Cabadak-Dr.Cevdet Nacar
14:40-15:30	Biophysics Lab: Biofeedback and Reaction Time	Dr.Hülya Cabadak-Dr.Cevdet Nacar
15:40-16:30	Biophysics Lab: Biofeedback and Reaction Time	Dr.Hülya Cabadak-Dr.Cevdet Nacar

16:40-17:30	Biophysics Lab: Biofeedback and Reaction Time	Dr.Hülya Cabadak-Dr.Cevdet Nacar
Thursday, 30 April, 2015		
08:40-09:30	Synaptic transmission in learning and memory	Dr. Hülya Cabadak
09:40-10:30	Synaptic transmission in learning and memory	Dr. Hülya Cabadak
10:40-11:30	STUDY TIME	
11:40-12:30	STUDY TIME	
13:40-14:30	Biophysics Lab: Electrooculogram	Dr.Pınar Mega Tiber Dr.Oya Orun
14:40-15:30	Biophysics Lab: Electrooculogram	Dr. Pınar Mega Tiber Dr. Oya Orun
15:40-16:30	Biophysics Lab: Electrooculogram	Dr. Pınar Mega Tiber Dr. Oya Orun
16:40-17:30	Biophysics Lab: Electrooculogram	Dr. Pınar Mega Tiber Dr. Oya Orun
Friday, 01 May, 2015		
08:40-17:30	HOLIDAY	
4. WEEK		
Monday, 04 May, 2015		
08:40-09:30	STUDY TIME FOR PBL	
09:40-10:30	STUDY TIME FOR PBL	
10:40-11:30	PBL MODULE-4	Dr.Dila Şener, Dr.Mümtaz Güran, Dr.Ayşe Ülgen, Dr.Naife Sevdalı
11:40-12:30	PBL MODULE-4	Dr.Dila Şener, Dr.Mümtaz Güran, Dr.Ayşe Ülgen, Dr.Naife Sevdalı
13:40-14:30	Medical English	Dr. Ayşe Kozansoy
14:40-15:30	Medical English	Dr. Ayşe Kozansoy
15:40-16:30	Communication in Turkish-II	Emine Özerinç
16:40-17:30	Communication in Turkish-II	Emine Özerinç
Tuesday, 05 May, 2015		
08:40-09:30		
09:40-10:30	ICS -1: Abstract writing and submission for MaSCo	Free study time for the groups
10:40-11:30	ICS -1 : Abstract writing and submission for MaSCo	Free study time for the groups
11:40-12:30	ICS -1: Abstract writing and submission for MaSCo	Free study time for the groups
13:40-14:30	Communication in Turkish-II	Emine Özerinç
14:40-15:30	Communication in Turkish-II	Emine Özerinç
15:40-16:30	Optics of vision	Dr. Pınar Mega Tiber
16:40-17:30	Optics of vision	Dr. Pınar Mega Tiber
Wednesday, 06 May, 2015		
08:40-09:30	STUDY TIME	
09:40-10:30	Vertebral Column	Dr. Ümit Şehirli
10:40-11:30	Vertebral Column	Dr. Ümit Şehirli
11:40-12:30	LAB: Vertebral Column (Anatomy)	Dr. Ümit Şehirli Dr. Berfu Çerçi Öngün

13:40-14:30	Medical English	Dr. Ayşe Kozansoy
14:40-15:30	Medical English	Dr. Ayşe Kozansoy
15:40-16:30	Brain stem	Dr. Ümit Şehirli
16:40-17:30	Adrenal and thymus gland	Dr. Ümit Şehirli
Thursday,	07 May, 2015	
08:40-09:30	Orbit and its content	Dr. Ümit Şehirli
09:40-10:30	Orbit and its content	Dr. Ümit Şehirli
10:40-11:30	Anatomy of the ear	Dr. Ümit Şehirli
11:40-12:30	Anatomy of the ear	Dr. Ümit Şehirli
13:40-14:30	LAB: Orbit and its contents (Anatomy)	Dr. Ümit Şehirli Dr. Berfu Çerçi Öngün
14:40-15:30	LAB: The ear (Anatomy)	Dr. Ümit Şehirli Dr. Berfu Çerçi Öngün
15:40-16:30	PBL MODULE-5	Dr.Dila Şener, Dr.Mümtaz Güran, Dr.Ayşe Ülgen, Dr.Naife Sevdalı
16:40-17:30	PBL MODULE-5	Dr.Dila Şener, Dr.Mümtaz Güran, Dr.Ayşe Ülgen, Dr.Naife Sevdalı
Friday,	08 May, 2015	
08:40-09:30	STUDY TIME FOR PBL	
09:40-10:30	STUDY TIME FOR PBL	
10:40-11:30	Biophysics of auditory system	Dr. Ayşe Garip
11:40-12:30	Biophysics of auditory system	Dr. Ayşe Garip
13:40-14:30	Conduction properties of action potential	Dr. Ayşe Garip
14:40-15:30	STUDY TIME	
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
5. WEEK		
Monday,	11 May, 2015	
08:40-09:30	Brain and Behaviour	Dr. Yıldız Akvardar
09:40-10:30	Brain and Behaviour	Dr. Yıldız Akvardar
10:40-11:30	Temperament / Personality	Dr. Yıldız Akvardar
11:40-12:30	Temperament / Personality	Dr. Yıldız Akvardar
13:40-14:30	Memory systems	Dr. Yıldız Akvardar
14:40-15:30	Memory systems	Dr. Yıldız Akvardar
15:40-16:30	Human Systems and Relations: the case of organizations	Dr. Yıldız Akvardar
16:40-17:30	STUDY TIME	
Tuesday,	12 May, 2015	
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	Hormone structure, peptide hormones and catecholamines	Dr. Saime Batirel
11:40-12:30	Hormone structure, peptide hormones and catecholamines	Dr. Saime Batirel
13:40-14:30	Signal transduction and sensory stimuli	Dr. Önder Şirikçi
14:40-15:30	Signal transduction and sensory stimuli	Dr. Önder Şirikçi
15:40-16:30	General principles of hormone action	Dr. Saime Batirel

16:40-17:30	General principles of hormone action	Dr. Saime Batirel
Wednesday, 13 May, 2015		
08:40-09:30	Neurotransmitters	Dr. İnci Alican
09:40-10:30	Initiation of impulses in sense organs	Dr. İnci Alican
10:40-11:30	Chemical senses	Dr. İnci Alican
11:40-12:30	Cutaneous senses	Dr. İnci Alican
13:40-14:30	Medical English	Dr. Ayşe Kozansoy
14:40-15:30	Medical English	Dr. Ayşe Kozansoy
15:40-16:30	Communication in Turkish-II	Emine Özerinç
16:40-17:30	Communication in Turkish-II	Emine Özerinç
Thursday, 14 May, 2015		
08:40-09:30	ICS-1:Comp&SRA: Rules for poster presentation and research report writing	Dr.Özlem Sarıkaya, Dr.Sinem Yıldız, Dr.Ayşe Ülgen
09:40-10:30	ICS-1:Comp&SRA: Rules for poster presentation and research report writing	Dr.Özlem Sarıkaya, Dr.Sinem Yıldız, Dr.Ayşe Ülgen
10:40-11:30	ICS-1:Comp&SRA: Rules for poster presentation and research report writing	Dr.Özlem Sarıkaya, Dr.Sinem Yıldız, Dr.Ayşe Ülgen
11:40-12:30	ICS-1:Comp&SRA: Rules for poster presentation and research report writing	Dr.Özlem Sarıkaya, Dr.Sinem Yıldız, Dr.Ayşe Ülgen
13:40-14:30	Communication in Turkish-II	Emine Özerinç
14:40-15:30	Communication in Turkish-II	Emine Özerinç
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
Friday, 15 May, 2015		
08:40-09:30	STUDY TIME	
09:40-10:30	Histology of the ear	Dr. Dilek Akakın
10:40-11:30	Histology of the ear	Dr. Dilek Akakın
11:40-12:30	Development of ear and eye	Dr. Dilek Akakın
13:40-14:30	Histology of endocrine organs	Dr. Dila Şener
14:40-15:30	Hormonal regulation of gonadal functions	Dr. Berna Laçın
15:40-16:30	Hormonal regulation of gonadal functions	Dr. Berna Laçın
16:40-17:30	STUDY TIME	
6. WEEK		
Monday, 18 May, 2015		
08:30-09:30	Steroid and Thyroid hormones	Dr. Betül Karademir
09:40-10:30	Steroid and Thyroid hormones	Dr. Betül Karademir
10:40-11:30	Medical English	Dr. Ayşe Kozansoy
11:40-12:30	Medical English	Dr. Ayşe Kozansoy
13:40-14:30	Medical English	Dr. Ayşe Kozansoy
14:40-15:30	Medical English	Dr. Ayşe Kozansoy
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
Tuesday, 19 May, 2015		
08:40-17:30	HOLIDAY	
Wednesday, 20 May, 2015		

08:40-09:30	Perception	Dr. Axel Würz
09:40-10:30	Perception	Dr. Axel Würz
10:40-11:30	Thinking and language	Dr. Axel Würz
11:40-12:30	Thinking and language	Dr. Axel Würz
13:40-14:30	Medical English	Dr. Ayşe Kozansoy
14:40-15:30	Medical English	Dr. Ayşe Kozansoy
15:40-16:30	Drives and motivation: The case of sexuality	Dr. Axel Würz
16:40-17:30	Human intelligence: Human I.Q /E.Q	Dr. Axel Würz
Thursday, 21 May, 2015		
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	Peripheral nervous system	Dr. Özgür Kasımay Çakır
11:40-12:30	Peripheral nervous system	Dr. Özgür Kasımay Çakır
13:40-14:30	Learning memory and speech	Dr. Özgür Kasımay Çakır
14:40-15:30	Learning memory and speech	Dr. Özgür Kasımay Çakır
15:40-16:30	Synapses and neuronal integration	Dr. Özgür Kasımay Çakır
16:40-17:30	STUDY TIME	
Friday, 22 May, 2015		
08:40-09:30	STUDY TIME	
09:40-10:30	Sensory perception	Dr.Alper Yıldırım
10:40-11:30	Vestibular system	Dr.Alper Yıldırım
11:40-12:30	Vestibular system	Dr.Alper Yıldırım
13:40-14:30	Physiology of hearing	Dr.Özgür Kasımay Çakır
14:40-15:30	Physiology of hearing	Dr.Özgür Kasımay Çakır
15:40-16:30	LAB: Tests for vision and hearing physiology	Dr.Özgür Kasımay Çakır – Dr.Alper Yıldırım
16:40-17:30	LAB: Tests for vision and hearing physiology	Dr.Özgür Kasımay Çakır – Dr.Alper Yıldırım
7. WEEK		
Monday, 25 May, 2015		
08:40-09:30	STUDY TIME	
09:40-10:30	Physiology of vision	Dr. Berrak Yeğen
10:40-11:30	Physiology of vision	Dr. Berrak Yeğen
11:40-12:30	Physiology of vision	Dr. Berrak Yeğen
13:40-14:30	Medical English	Dr. Ayşe Kozansoy
14:40-15:30	Medical English	Dr. Ayşe Kozansoy
15:40-16:30	Autonomic nervous system	Dr. Berrak Yeğen
16:40-17:30	Autonomic nervous system	Dr. Berrak Yeğen
Tuesday, 26 May, 2015		
08:40-09:30	Psychological Development: Cognitive and Social Domains	Dr. Kemal Kuşçu
09:40-10:30	Psychological Development: Cognitive and Social Domains	Dr. Kemal Kuşçu
10:40-11:30	Emotions in cognitive and cultural context	Dr. Kemal Kuşçu
11:40-12:30	Emotions in cognitive and cultural context	Dr. Kemal Kuşçu
13:40-14:30	Communication in Turkish-II	Emine Özerinç

14:40-15:30	Communication in Turkish-II	Emine Özerinç
15:40-16:30	Medical English	Dr.Ayşe Kozansoy
16:40-17:30	Medical English	Dr. Ayşe Kozansoy
Wednesday,	27 May, 2015	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	STUDY TIME	
11:40-12:30	STUDY TIME	
Thursday,	28 May, 2015	
08:40-17:30	MASCO	
Friday,	29 May, 2015	
08:40-17:30	MASCO	
8. WEEK		
Monday,	01 June, 2015	
08:40-09:30	Introduction to Family Medicine and Primary Care	Dr. Pemra C. Ünalın
09:40-10:30	ICS-1: Written Assessment for First Aid and Communication Skills	Dr. Pemra C. Ünalın Dr. Berfu Çerçi Öngün
10:40-11:30	ICS-1: Oral exam for FA	Dr. Pemra C. Ünalın Dr. Berfu Çerçi Öngün
11:40-12:30	ICS-1: Oral exam for FA	Dr. Pemra C. Ünalın Dr. Berfu Çerçi Öngün
13:40-14:30	ICS-1: Oral exam for FA	Dr. Pemra C. Ünalın Dr. Berfu Çerçi Öngün
14:40-15:30	ICS-1: Oral exam for FA	Dr. Pemra C. Ünalın Dr. Berfu Çerçi Öngün
15:40-16:30	ICS-1: Oral exam for FA	Dr. Pemra C. Ünalın Dr. Berfu Çerçi Öngün
16:40-17:30	ICS-1: Oral exam for FA	Dr. Pemra C. Ünalın Dr. Berfu Çerçi Öngün
Tuesday,	02 June, 2015	
08:40-09:30	Multidisciplinary course: Socioeconomic and Cultural Parameters of Health	Dr. Özlem Sarıkaya Dr. Arzu Uzuner
09:40-10:30	Multidisciplinary course: Socioeconomic and Cultural Parameters of Health	Dr. Özlem Sarıkaya Dr. Arzu Uzuner
10:40-11:30	Multidisciplinary course: Socioeconomic and Cultural Parameters of Health	Dr. Özlem Sarıkaya Dr. Arzu Uzuner
11:40-12:30	Multidisciplinary course: Socioeconomic and Cultural Parameters of Health	Dr. Özlem Sarıkaya Dr. Arzu Uzuner
13:40-14:30	Multidisciplinary course: Socioeconomic and Cultural Parameters of Health	Dr. Özlem Sarıkaya Dr. Arzu Uzuner
14:40-15:30	Multidisciplinary course: Socioeconomic and Cultural Parameters of Health	Dr. Özlem Sarıkaya Dr. Arzu Uzuner
15:40-16:30	Communication in Turkish-II	Emine Özerinç
16:40-17:30	Communication in Turkish-II	Emine Özerinç
Wednesday,	03 June, 2015	
08:40-09:30	Multidisciplinary course: Socioeconomic and Cultural Parameters of Health	Dr. Özlem Sarıkaya Dr. Arzu Uzuner
09:40-10:30	Multidisciplinary course: Socioeconomic and Cultural Parameters of Health	Dr. Özlem Sarıkaya Dr. Arzu Uzuner

10:40-11:30	Multidisciplinary course: Socioeconomic and Cultural Parameters of Health	Dr. Özlem Sarıkaya Dr. Arzu Uzuner
11:40-12:30	Multidisciplinary course: Socioeconomic and Cultural Parameters of Health	Dr. Özlem Sarıkaya Dr. Arzu Uzuner
13:40-14:30	Medical English	Dr.Ayşe Kozansoy
14:40-15:30	Medical English	Dr.Ayşe Kozansoy
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
Thursday, 04 June, 2015		
08:40-09:30	Communication in Turkish-II	Emine Özerinç
09:40-10:30	Communication in Turkish-II	Emine Özerinç
10:40-11:30	Medical English	Dr.Ayşe Kozansoy
11:40-12:30	Medical English	Dr.Ayşe Kozansoy
Friday, 05 June, 2015		
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	STUDY TIME	
11:40-12:30	STUDY TIME	
9. WEEK		
Monday, 08 June, 2015		
08:30-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	STUDY TIME	
11:40-12:30	STUDY TIME	
Tuesday, 09 June, 2015		
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	STUDY TIME	
11:40-12:30	STUDY TIME	
Wednesday, 10 June, 2015		
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	STUDY TIME	
11:40-12:30	STUDY TIME	
Thursday, 11 June, 2015		
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	STUDY TIME	
11:40-12:30	STUDY TIME	
Friday, 12 June, 2015		
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	STUDY TIME	

11:40-12:30	STUDY TIME	
10. WEEK		
Monday, 15 June, 2014		
08:30-09:30		
09:40-10:30		
10:40-11:30		
11:40-12:30		
Tuesday, 16 June, 2014		
08:40-09:30		
09:40-10:30	PRACTICAL EXAMINATION	
10:40-11:30		
11:40-12:30		
Wednesday, 17 June, 2014		
08:40-09:30	THEORETICAL EXAMINATION	
09:40-10:30		
10:40-11:30		
11:40-12:30		
Thursday, 18 June, 2014		
08:40-09:30		
09:40-10:30		
10:40-11:30		
11:40-12:30		
Friday, 19 June, 2014		
08:40-09:30		
09:40-10:30		
10:40-11:30		
11:40-12:30		