



“Smile of the Science”, photographed by Prof. Tangül ŞAN

DEVELOPMENT AND ORGANIZATION OF HUMAN BODY COURSE
YEAR 1 COURSE 3
February 16, 2015 – April 10, 2015

Coordinator of the Course 1.3 Instructor, Dila ŞENER	Coordinator of the Module 1.3 Asist. Prof., Mümtaz GÜRAN
Coordinator of Multidisciplinary Students' Lab. Instructor, Dila ŞENER	Coordinator of Clinical Skills 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. Unalan
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, Vice Dean (MU) 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 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 : Growth, Development, Mental and Endocrine Disorders

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

DEVELOPMENT AND ORGANIZATION OF HUMAN BODY

AIM and LEARNING OBJECTIVES of COURSE

Aim: At the end of this course, first year students will acquire knowledge about the development, organization and function of different tissues to form organs. During this course students will also gain knowledge about the basic properties of microbiological universe and defence mechanism of the body.

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

- define the structural elements of the tissues
- identify the different tissues regarding their structures, organization and functioning
- acquire knowledge concerning the development and differentiation process of the organs
- understand the classification and the basic properties of various microorganisms, and basic genetics of the bacteria
- acquire skills necessary to perform experimental applications

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 &MODULE-3

- **Anatomy**
- **Biochemistry**
- **Biostatistics**
- **Family Medicine**
- **Histology and Embryology**
- **Immunology**
- **Medical Biology**
- **Microbiology**
- **Physiology**
- **Medical Education**
- **Public Health**

LECTURERS / TUTORS

Ayşe ÜLGEN, Assist. Prof., Statistics
Ayşegül KARAHASAN, Prof., Medical Microbiology
Berna LAÇIN, Assoc.Prof., Physiology
Betül KARADEMİR, Assist. Prof., Biochemistry
Burak AKSU, Assist. Prof., Medical Microbiology
Canan ZAIMOĞLU, Assist. Prof., Pediatrics
Dila ŞENER, Instructor, Histology & Emb.
Dilek AKAKIN, Instructor, Histology & Emb.
Feriha ERCAN, Prof., Histology & Emb.
Mehmet AKMAN, Assoc. Prof., Family Medicine
Mümtaz GÜRAN, Assist. Prof., Microbiology
Nahide GÖKÇORA, Prof., Nuclear Medicine
Naife SEVDALI, Instructor, Clinical Psychology

Nilgün ÇERİKÇİOĞLU, Prof., Medical Microbiology
Özgür KASIMAY, Assoc. Prof., Physiology
Özlem Sarıkaya, Assoc.Prof, Medical Education
Pemra C.ÜNALAN, Assoc. Prof., Family Medicine
Saime BATIREL, Assist. Prof., Biochemistry
Serap ŞİRVANCI, Assoc. Prof., Histology & Emb
Sibel SAKARYA, Prof., Public Health
Sinem YILDIZ, Assist. Prof., Medical Education
Şule ÇETİNEL, Prof., Histology & Emb.
Şükrü TÜZMEN, Assoc. Prof., Medical Biology
Tunç AKKOÇ, Assoc. Prof., Immunology
Ufuk HASDEMİR, Prof., Medical Microbiology
Ümit ŞEHİRLİ, Prof., Anatomy

READING / STUDYING MATERIALS

- Biochemistry; Stryer, 4th ed.,Freeman
- Biochemistry; Zubay, 3rd ed., WCB
- ClinicalAnatomyforMedicalStudents; Richard S. Snell
- ClinicallyOrientedAnatomy; Keith L. Moore, Arthur F. Dalley
- ColorTextbook of Histology; Gartner&Hiatt, 3rd ed.,ElsevierHealthSciences, 2004
- Gray Anatomi; Çeviri Editörü: Prof. Dr. Mehmet YILDIRIM, Güneş Kitabevi, 2006
- Gray'sAnatomyforStudents; Richard L. Drake, Henry Gray, Adam W.M. Mitchell
- Harper'sBiochemistry; Murray, Granner, 23rd ed.,Lange

- 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 editorü: Ramazan Demir, Palme Yayıncılık - Ankara, 2006
- Human Histology; Alan Stevens, James Lowe, 3rd ed., Elsevier Health Sciences, 2004
- Introduction to Biostatistics for Health Sciences, Michael R. Chernick, Robert H. Friss, Wiley Interscience, New Jersey, 2003
- Larsen's Human Embryology; Gary C. Schoenwolf, Philippa H. Francis-West, Philip R. Brauer, Steven B. Bleyl, 4th ed., Churchill Livingstone, 2008
- Lehninger's Principles of Biochemistry; Nelson, Cox, 3rd ed., Worth
- Medical Statistics at a Glance; Aviva Petrie, Caroline Sabin, Blackwell Science, London, 2003
- Molecular Biology of the Cell; Alberts et al., 3rd ed., Garland
- Practical Statistics for Medical Research; Douglas Altman, Chapman and Hall, London, 1995
- Principles of Physiology; Bern and Levy, 4th ed.
- Review Medical Microbiology; Ernest Jawetz et al.
- Review of Medical Microbiology; Patric R. Muray, Ken S. Rosenthal
- Temel Biyoistatistik; Mustafa Şenocak, Çağlayan Kitabevi, İstanbul, 1990
- Temel Histoloji; Junqueira LC, Carneiro J; Çeviri editörleri: Yener Aytekin, Seyhun Solakoğlu, Nobel Matbaacılık, 10th ed. 2003
- Textbook of Physiology; Guyton and Hall, 10th ed.
- The Cell: A Molecular Approach; Cooper, 2nd ed., ASM press
- The Developing Human; Keith L. Moore, TVN Persaud, 8th ed. Elsevier Health Sciences, 2007

SUMMARY OF THE COURSE 1.3			
Discipline	Lecture & Group Discussion	Multidisciplinary Lab. & Clinical Skills Lab. Practice	Total
Anatomy	6	3	9
Biochemistry	10		10
Biostatistics	8		8
Histology and Embryology	33	10	43
Immunology	2		2
Medical Biology	1		1
Medical History and Ethics	2		2
Microbiology	16	3	19
Physiology	12	2	14
Subtotal	90	18	108
PBL Module	8		8
ICS-1: Computer Skills in Medicine and Student Research Activities	6		6
ICS -1: First aid	20		20
ICS-1: Communication Skills	20		20
Medical English	24		24
Communication in Turkish-II (for foreign students)	26		26
TOTAL	194	18	212

EIGHT WEEK PROGRAM		
	Theoretical and Practical Sessions	Lecturer(s) / Tutor(s)
1. WEEK		
Monday,	16February, 2015	
08:40-09:30		
09:40-10:30		
10:40-11:30		
11:40-12:30	Introduction to the course	Dr. Ayşe Ülgen
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,	17 February, 2015	
08:40-09:30	ICS-1: Comp&SRA: Data gathering	Free study for the groups
09:40-10:30	ICS-1: Comp&SRA: Data gathering	Free study for the groups
10:40-11:30	ICS-1: Comp&SRA: Data gathering	Free study for the groups
11:40-12:30	ICS-1: Comp&SRA: Data gathering	Free study 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	STUDY TIME	
16:40-17:30	STUDY TIME	
Wednesday,	18February, 2015	
08:40-09:30	Principles of sterilization and disinfection	Dr. Mümtaz Güran
09:40-10:30	Principles of sterilization and disinfection	Dr. Mümtaz Güran
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	Nonparametric methods (Chi-Square test) Sign test, Mann-Whitney U test, Wilcoxon test (paired sample)	Dr. Ayşe Ülgen
16:40-17:30	Nonparametric methods (Chi-Square test) Review of statistical inference table and introduction to nonparametric methods	Dr. Ayşe Ülgen
Thursday,	19 February, 2015	
08:40-09:30	STUDY TIME	
09:40-10:30	Epithelial tissue	Dr. Dila Şener
10:40-11:30	Epithelial tissue	Dr. Dila Şener
11:40-12:30	Glandular tissue	Dr. Dilek Akakın
13:40-14:30	Introduction to embryology: Spermatogenesis	Dr. Dilek Akakın
14:40-15:30	Introduction to embryology: Spermatogenesis	Dr. Dilek Akakın
15:40-16:30	Histology LAB: Epithelial tissue	Dr. Dilek Akakın-Dr. Dila Şener
16:40-17:30	Histology LAB: Epithelial tissue	Dr. Dilek Akakın-Dr. Dila Şener
Friday,	20 February, 2015	

08:40-09:30	Introduction to embryology: Oogenesis	Dr. Dilek Akakın
09:40-10:30	Introduction to embryology: Oogenesis	Dr. Dilek Akakın
10:40-11:30	Fertilization and implantation	Dr. Dilek Akakın
11:40-12:30	Fertilization and implantation	Dr. Dilek Akakın
13:40-14:30	Congenital malformations	Dr. Dilek Akakın
14:40-15:30	Congenital malformations	Dr. Dilek Akakın
15:40-16:30	PBL MODULE-1	Dr.Dila Şener, Dr.Mümtaz Güran, Dr.Ayşe Ülgen, Dr.Naife Sevdalı
16:40-17:30	PBL MODULE-1	Dr.Dila Şener, Dr.Mümtaz Güran, Dr.Ayşe Ülgen, Dr.Naife Sevdalı
2. WEEK		
Monday, 23 February, 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	STUDY TIME	
11:40-12:30	STUDY TIME	
13:40-14:30	STUDY TIME	
14:40-15:30	STUDY TIME	
15:40-16:30	Medical English	Dr. Ayşe Kozansoy
16:40-17:30	Medical English	Dr. Ayşe Kozansoy
Tuesday, 24 February, 2015		
08:40-09:30	Introduction to cardiovascular system	Dr. Ural Verimli
09:40-10:30	Introduction to musculoskeletal system	Dr. Ural Verimli
10:40-11:30	Introduction to respiratory system	Dr. Ural Verimli
11:40-12:30	LAB: Anatomy of respiratory and circulatory system	Dr. Ural Verimli-Dr. Berfu Çerçi Öngün
13:40-14:30	Communication in Turkish-II	Emine Özeriç
14:40-15:30	Communication in Turkish-II	Emine Özeriç
15:40-16:30	ICS-1: Comp&SRA: Data entry and frequency analysis (Free study for groups under supervision)	Dr. Ayşe Ülgen-Dr. Sinem Yıldız
16:40-17:30	ICS-1: Comp&SRA: Data entry and frequency analysis (Free study for groups under supervision)	Dr. Ayşe Ülgen-Dr. Sinem Yıldız
Wednesday, 25 February, 2015		
08:40-09:30	Histology of supporting tissue: Connective tissue	Dr. Dila Şener
09:40-10:30	Histology of supporting tissue: Connective tissue	Dr. Dila Şener
10:40-11:30	Specialized connective tissues: Adipose tissue, blood	Dr. Feriha Ercan
11:40-12:30	Specialized connective tissues: Cartilage and bone	Dr. Feriha Ercan
13:40-14:30	Histology LAB: Specialized connective Tissue	Dr.Feriha Ercan-Dr.Dila Şener
14:40-15:30	Histology LAB: Specialized connective Tissue	Dr.Feriha Ercan-Dr.Dila Şener
15:40-16:30	PBL MODULE-2	Dr.Dila Şener, Dr.Mümtaz Güran, Dr.Ayşe Ülgen, Dr.Naife Sevdalı
16:40-17:30	PBL MODULE-2	Dr.Dila Şener, Dr.Mümtaz Güran, Dr.Ayşe Ülgen, Dr.Naife Sevdalı
Thursday, 26 February, 2015		
08:40-09:30		
09:40-10:30	Formation of bilaminar embryonic disc	Dr. Feriha Ercan
10:40-11:30	Formation of trilaminar embryonic disc	Dr. Feriha Ercan

11:40-12:30	Formation of trilaminar embryonic disc	Dr. Feriha Ercan
13:40-14:30	Extraembryonic membranes	Dr. Feriha Ercan
14:40-15:30	Extraembryonic membranes	Dr. Feriha Ercan
15:40-16:30	Histology LAB: Connective tissue	Dr. Dila Şener
16:40-17:30	Histology LAB: Connective tissue	Dr. Dila Şener
Friday,	27 February, 2015	
08:40-09:30	STUDY TIME	
09:40-10:30	Homeostasis among organ systems: Cross talking	Dr. Saime Batirel
10:40-11:30	Connective tissue	Dr. Saime Batirel
11:40-12:30	Connective tissue	Dr. Saime Batirel
13:40-14:30	Epithelial tissue	Dr. Saime Batirel
14:40-15:30	Adipose tissue	Dr. Saime Batirel
15:40-16:30	PBL MODULE-3	Dr.Dila Şener, Dr.Mümtaz Güran, Dr.Ayşe Ülgen, Dr.Naife Sevdalı
16:40-17:30	PBL MODULE-3	Dr.Dila Şener, Dr.Mümtaz Güran, Dr.Ayşe Ülgen, Dr.Naife Sevdalı
3. WEEK		
Monday,	02March, 2015	
08:40-09:30	STUDY TIME	
09:40-10:30	Skeletal muscle	Dr. Serap Şırvancı
10:40-11:30	Smooth muscle	Dr. Serap Şırvancı
11:40-12:30	Cardiac muscle	Dr. Serap Şırvancı
13:40-14:30	Medical English	Dr. Ayşe Kozansoy
14:40-15:30	Medical English	Dr. Ayşe Kozansoy
15:40-16:30	Histology of lung, heart and vessels	Dr. Serap Şırvancı
16:40-17:30	Histology of lung, heart and vessels	Dr. Serap Şırvancı
Tuesday,	03March, 2015	
08:40-09:30	Formation of basic organ systems	Dr. Serap Şırvancı
09:40-10:30	Formation of basic organ systems	Dr. Serap Şırvancı
10:40-11:30	Histology of gastrointestinal system	Dr. Serap Şırvancı
11:40-12:30	Histology of gastrointestinal system	Dr. Serap Şırvancı
13:40-14:30	Communication in Turkish-II	Emine Özeriç
14:40-15:30	Communication in Turkish-II	Emine Özeriç
15:40-16:30	Classification and general properties of medically important helminths	Dr. Mümtaz Güran
16:40-17:30	STUDY TIME	
Wednesday,	04 March, 2015	
08:40-09:30	Histology LAB: Muscle tissue	Dr.Serap Şırvancı-Dr.Dila Şener
09:40-10:30	Histology LAB: Muscle tissue	Dr.Serap Şırvancı- Dr.Dila Şener
10:40-11:30	Histology of spleen, thymus and lymph nodes	Dr. Serap Şırvancı
11:40-12:30	Histology of spleen, thymus and lymph nodes	Dr. Serap Şırvancı
13:40-14:30	Medical English	Dr. Ayşe Kozansoy
14:40-15:30	Medical English	Dr. Ayşe Kozansoy
15:40-16:30	PBL MODULE-4	Dr.Dila Şener, Dr.Mümtaz Güran, Dr.Ayşe Ülgen, Dr.Naife Sevdalı

16:40-17:30	PBL MODULE-4	Dr.Dila Şener, Dr.Mümtaz Güran, Dr.Ayşe Ülgen, Dr.Naife Sevdalı
Thursday, 05 March, 2015		
08:40-09:30	Medical English	Dr. Ayşe Kozansoy
09:40-10:30	Medical English	Dr. Ayşe Kozansoy
10:40-11:30	Computer application and review Chi-square test of independence	Dr. Ayşe Ülgen
11:40-12:30	Computer application and review Chi-square test of homogeneity	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	Classification and structure of prokaryotic and eukaryotic organisms	Dr. Mümtaz Güran
16:40-17:30	STUDY TIME	
Friday, 06 March, 2015		
08:40-09:30	STUDY TIME	
09:40-10:30	Physiological properties of the skeletal muscle	Dr. Alper Yıldırım
10:40-11:30	Physiology LAB: Muscle physiology	Dr. Özgür Kasımay Çakır- Dr. Alper Yıldırım
11:40-12:30	Physiology LAB: Muscle physiology	Dr. Özgür Kasımay Çakır
13:40-14:30	Regulation of body fluids and pH	Dr. Özgür Kasımay Çakır
14:40-15:30	Introduction to respiratory system	Dr. Alper Yıldırım
15:40-16:30	General principles of renal physiology	Dr. Özgür Kasımay Çakır
16:40-17:30	General principles of renal physiology	Dr. Özgür Kasımay Çakır
4. WEEK		
Monday, 09 March, 2015		
08:40-09:30	ICS -1: First-Aid Course	Dr.Pemra Ünalán-Dr.Mehmet Akman-Dr. Berfu Çerçi Öngün
09:40-10:30	ICS -1: First-Aid Course	Dr.Pemra Ünalán-Dr.Mehmet Akman-Dr. Berfu Çerçi Öngün
10:40-11:30	ICS -1: First-Aid Course	Dr.Pemra Ünalán-Dr.Mehmet Akman-Dr. Berfu Çerçi Öngün
11:40-12:30	ICS -1: First-Aid Course	Dr.Pemra Ünalán-Dr.Mehmet Akman-Dr. Berfu Çerçi Öngün
13:40-14:30	ICS -1: First-Aid Course	Dr.Pemra Ünalán-Dr.Mehmet Akman-Dr. Berfu Çerçi Öngün
14:40-15:30	ICS -1: First-Aid Course	Dr.Pemra Ünalán-Dr.Mehmet Akman-Dr. Berfu Çerçi Öngün
15:40-16:30	ICS -1: First-Aid Course	Dr.Pemra Ünalán-Dr.Mehmet Akman-Dr. Berfu Çerçi Öngün
16:40-17:30	ICS -1: First-Aid Course	Pemra Ünalán-Mehmet Akman Canan Zaimoğlu
Tuesday, 10 March, 2015		
08:40-09:30	ICS -1: First-Aid Course	Dr.Pemra Ünalán-Dr.Mehmet Akman-Dr. Berfu Çerçi Öngün
09:40-10:30	ICS -1: First-Aid Course	Dr.Pemra Ünalán-Dr.Mehmet Akman-Dr. Berfu Çerçi Öngün
10:40-11:30	ICS -1: First-Aid Course	Dr.Pemra Ünalán-Dr.Mehmet Akman-Dr. Berfu Çerçi Öngün

11:40-12:30	ICS -1: First-Aid Course	Dr.Pemra Ünalán-Dr.Mehmet Akman-Dr. Berfu Çerçi Öngün
13:40-14:30	ICS -1: First-Aid Course	Dr.Pemra Ünalán-Dr.Mehmet Akman-Dr. Canan Zaimođlu-Dr. Berfu Çerçi Öngün
14:40-15:30	ICS -1: First-Aid Course	Dr.Pemra Ünalán-Dr.Mehmet Akman-Dr. Canan Zaimođlu-Dr. Berfu Çerçi Öngün
15:40-16:30	ICS -1: First-Aid Course	Dr.Pemra Ünalán-Dr.Mehmet Akman-Dr. Canan Zaimođlu-Dr. Berfu Çerçi Öngün
16:40-17:30	ICS -1: First-Aid Course	Dr.Pemra Ünalán-Dr.Mehmet Akman-Dr. Canan Zaimođlu-Dr. Berfu Çerçi Öngün
Wednesday, 11 March, 2015		
08:40-09:30	ICS -1: First-Aid Course	Dr.Pemra Ünalán-Dr.Mehmet Akman-Dr. Berfu Çerçi Öngün
09:40-10:30	ICS -1: First-Aid Course	Dr.Pemra Ünalán-Dr.Mehmet Akman-Dr. Berfu Çerçi Öngün
10:40-11:30	ICS -1: First-Aid Course	Dr.Pemra Ünalán-Dr.Mehmet Akman-Dr. Berfu Çerçi Öngün
11:40-12:30	ICS -1: First-Aid Course	Dr.Pemra Ünalán-Dr.Mehmet Akman-Dr. Berfu Çerçi Öngün
13:40-14:30	ICS -1: Communication Skills Course	Dr.Özlem Sarıkaya-Dr.Sinem Yıldız-Dr.Canan Zaimođlu- Dr. Berfu Çerçi Öngün
14:40-15:30	ICS -1: Communication Skills Course	Dr.Özlem Sarıkaya- Dr.Sinem Yıldız-Dr.Canan Zaimođlu- Dr. Berfu Çerçi Öngün
15:40-16:30	ICS -1: Communication Skills Course	Dr.Özlem Sarıkaya-Dr.Sinem Yıldız-Dr.Canan Zaimođlu- Dr. Berfu Çerçi Öngün
16:40-17:30	ICS -1: Communication Skills Course	Dr.Özlem Sarıkaya- Dr.Sinem Yıldız-Dr.Canan Zaimođlu- Dr. Berfu Çerçi Öngün
Thursday, 12 March, 2015		
08:40-09:30	ICS -1: Communication Skills Course	Dr.Özlem Sarıkaya- Dr.Sinem Yıldız-Dr. Berfu Çerçi Öngün
09:40-10:30	ICS -1: Communication Skills Course	Dr.Özlem Sarıkaya- Dr.Sinem Yıldız-Dr. Berfu Çerçi Öngün
10:40-11:30	ICS -1: Communication Skills Course	Dr.Özlem Sarıkaya-Dr.Sinem Yıldız-Dr. Berfu Çerçi Öngün
11:40-12:30	ICS -1: Communication Skills Course	Dr.Özlem Sarıkaya- Dr.Sinem Yıldız-Dr. Berfu Çerçi Öngün
13:40-14:30	ICS -1: Communication Skills Course	Dr.Özlem Sarıkaya- Dr.Sinem Yıldız-Dr.Canan Zaimođlu- Dr. Berfu Çerçi Öngün
14:40-15:30	ICS -1: Communication Skills Course	Dr.Özlem Sarıkaya- Dr.Sinem Yıldız-Dr.Canan Zaimođlu- Dr. Berfu Çerçi Öngün
15:40-16:30	ICS -1: Communication Skills Course	Dr.Özlem Sarıkaya-Dr.Sinem

		Yıldız-Dr.Canan Zaimoğlu- Dr. Berfu Çerçi Öngün
16:40-17:30	ICS -1: Communication Skills Course	Dr.Özlem Sarıkaya-Dr.Sinem Yıldız-Dr.Canan Zaimoğlu- Dr. Berfu Çerçi Öngün
Friday,	13 March, 2015	
08:40-09:30	ICS -1: Communication Skills Course	Dr.Özlem Sarıkaya-Dr.Sinem Yıldız-Dr. Berfu Çerçi Öngün
09:40-10:30	ICS -1: Communication Skills Course	Dr.Özlem Sarıkaya-Dr.Sinem Yıldız-Dr. Berfu Çerçi Öngün
10:40-11:30	Introduction to medical deontology	Dr. Şefik Görkey
11:40-12:30	Introduction to medical deontology	Dr. Şefik Görkey
13:40-14:30	ICS -1: Communication Skills Course	Dr.Özlem Sarıkaya-Dr.Sinem Yıldız-Dr. Berfu Çerçi Öngün
14:40-15:30	ICS -1: Communication Skills Course	Dr.Özlem Sarıkaya-Dr.Sinem Yıldız-Dr. Berfu Çerçi Öngün
15:40-16:30	ICS -1: Communication Skills Course	Dr.Özlem Sarıkaya-Dr.Sinem Yıldız-Dr. Berfu Çerçi Öngün
16:40-17:30	ICS -1: Communication Skills Course	Dr.Özlem Sarıkaya-Dr.Sinem Yıldız-Dr. Berfu Çerçi Öngün
5. WEEK		
Monday,	16 March, 2015	
08:40-09:30	STUDY TIME	
09:40-10:30	Histology of urogenital system	Dr. Dila Şener
10:40-11:30	Histology of urogenital system	Dr. Dila Şener
11:40-12:30	Growth of bacteria	Dr. Mümtaz Güran
13:40-14:30	Medical English	Dr. Ayşe Kozansoy
14:40-15:30	Medical English	Dr. Ayşe Kozansoy
15:40-16:30	Biochemical aspects of immunoglobulins	Dr. Önder Şirikçi
16:40-17:30	Biochemical aspects of immunoglobulins	Dr. Önder Şirikçi
Tuesday,	17 March, 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	Biochemistry of cytokines	Dr. Betül Karademir
11:40-12:30	Biochemistry of cytokines	Dr. Betül Karademir
13:40-14:30	STUDY TIME	
14:40-15:30	STUDY TIME	
15:40-16:30	The fate of substances in the body	Dr.Betül Karademir
16:40-17:30	STUDY TIME	
Wednesday,	18 March, 2015	
08:40-09:30	Anatomy of the organs related to digestive system	Dr. Ümit Şehirli
09:40-10:30	Anatomy of the organs related to digestive system	Dr. Ümit Şehirli
10:40-11:30	LAB: Anatomy of digestive system	Dr.Ümit Şehirli-Dr. Berfu Çerçi Öngün
11:40-12:30	Introduction to urogenital system	Dr. Ümit Şehirli
13:40-14:30	Medical English	Dr. Ayşe Kozansoy
14:40-15:30	Medical English	Dr. Ayşe Kozansoy

15:40-16:30	LAB: Anatomy of the organs of urogenital system	Dr.Ümit Şehirli-Dr. Berfu Çerçi Öngün
16:40-17:30	STUDY TIME	
Thursday, 19 March, 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	
13:40-14:30	Communication in Turkish-II	Emine Özeriç
14:40-15:30	Communication in Turkish-II	Emine Özeriç
15:40-16:30	Functional structures of the digestive system	Dr. Alper Yıldırım
16:40-17:30	Bacterial metabolism	Dr. Mümtaz Güran
Friday, 20 March, 2015		
08:40-09:30	STUDY TIME	
09:40-10:30	Written exam of First Aid	Dr. Pemra C.Unalan-Dr. Berfu Çerçi Öngün
10:40-11:30	Communication in Turkish-II	Emine Özeriç
11:40-12:30	Communication in Turkish-II	Emine Özeriç
13:40-14:30	ICS-1: Types of variables and showing them with graphics with Excel	Dr.Sinem Yıldız Dr. Ayşe Ülgen
14:40-15:30	ICS-1: Types of variables and showing them with graphics with Excel	Dr.Sinem Yıldız Dr. Ayşe Ülgen
15:40-16:30	ICS-1: Types of variables and showing them with graphics with Excel	Dr.Sinem Yıldız Dr. Ayşe Ülgen
16:40-17:30	ICS-1: Types of variables and showing them with graphics with Excel	Dr.Sinem Yıldız Dr. Ayşe Ülgen
6. WEEK		
Monday, 23 March, 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	
13:40-14:30	Medical English	Dr. Ayşe Kozansoy
14:40-15:30	Medical English	Dr. Ayşe Kozansoy
15:40-16:30	History and Development of Microbiology	Dr. Ayşegül Karahasan
16:40-17:30	Microbiology LAB: Rules in microbiology laboratory and use of microscope	Dr. Ayşegül Karahasan, Dr. Mümtaz Güran
Tuesday, 24 March, 2015		
08:40-09:30	Smooth muscle	Dr. İnci Alican
09:40-10:30	Functional structures of the heart and peripheral circulation	Dr. İnci Alican
10:40-11:30	Body fluids	Dr. İnci Alican
11:40-12:30	Physiology of body defense system	Dr. Berna Laçın
13:40-14:30	Physiology of body defense system	Dr. Berna Laçın
14:40-15:30	Composition and function of blood	Dr. Berna Laçın
15:40-16:30	Communication in Turkish-II	Emine Özeriç
16:40-17:30	Communication in Turkish-II	Emine Özeriç
Wednesday, 25 March, 2015		
08:40-09:30	STUDY TIME	

09:40-10:30	STUDY TIME	
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	Correlations and simple regression Some basic concepts for diagnosis tests	Dr. Ayşe Ülgen
16:40-17:30	Correlations and simple regression Comparing risk-relative risk and Odds ratio	Dr. Ayşe Ülgen
Thursday, 26 March, 2015		
08:40-09:30	Genomic organization and rearrangement of immunoglobulin genes	Dr. Şükrü Tüzmen
09:40-10:30	STUDY TIME	
10:40-11:30	STUDY TIME	
11:40-12:30	STUDY TIME	
13:40-14:30	Introduction to immunology	Dr. Tunç Akkoç
14:40-15:30	Cells and organs involved in immune responses	Dr. Tunç Akkoç
15:40-16:30	Communication in Turkish-II	Emine Özerinç
16:40-17:30	Communication in Turkish-II	Emine Özerinç
Friday, 27 March, 2015		
08:40-09:30	STUDY TIME	
09:40-10:30	Nonparametric methods -Correlation	Dr. Ayşe Ülgen
10:40-11:30	Nonparametric methods -Simple regression	Dr. Ayşe Ülgen
11:40-12:30	Classification, morphology and replication of viruses and prions	Dr. Mümtaz Güran
13:40-14:30	Classification, morphology and replication of viruses and prions	Dr. Mümtaz Güran
14:40-15:30	STUDY TIME	
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
7. WEEK		
Monday, 30 March, 2015		
08:30-09:30	STUDY TIME	
09:40-10:30	Basic structure of bacterial cell and classification of bacteria	Dr. Nilgün Çerikçioğlu
10:40-11:30	Bacterial genetics and bacteriophages	Dr. Ufuk Hasdemir
11:40-12:30	Bacterial genetics and bacteriophages	Dr. Ufuk Hasdemir
13:40-14:30	Medical English	Dr. Ayşe Kozansoy
14:40-15:30	Medical English	Dr. Ayşe Kozansoy
15:40-16:30	Microbiology LAB: Bacterial growth and cultivation technique	Dr.Ufuk Hasdemir, Dr.Mümtaz Güran
16:40-17:30	STUDY TIME	
Tuesday, 31 March, 2015		
08:40-09:30	STUDY TIME	
09:40-10:30	Basic structure of bacterial cell and classification of bacteria	Dr. Nilgün Çerikçioğlu
10:40-11:30	Application of bacterial genetics in industry and Microbiology	Dr. Mümtaz Güran
11:40-12:30	STUDY TIME	

13:40-14:30	Classification and general properties of medically important fungi	Dr. Nilgün Çerikçioğlu
14:40-15:30	STUDY TIME	
15:40-16:30	Microbiology LAB: Bacterial growth and cultivation technique	Dr. Nilgün Çerikçioğlu Dr. Mümtaz Güran
16:40-17:30	STUDY TIME	
Wednesday, 01 April, 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	Histology LAB: Make up lesson	Dr. Dila Şener
11:40-12:30	Histology LAB: Make up lesson	Dr. Dila Şener
13:40-14:30	Medical English	Dr. Ayşe Kozansoy
14:40-15:30	Medical English	Dr. Ayşe Kozansoy
15:40-16:30	Classification and general properties of medically important protozoa	Dr. Burak Aksu
16:40-17:30	STUDY TIME	
Thursday, 02 April, 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	
13:40-14:30	STUDY TIME	
14:40-15:30	STUDY TIME	
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
Friday, 03 April, 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	
13:40-14:30	STUDY TIME	
14:40-15:30	STUDY TIME	
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
8. WEEK		
Monday, 06 April, 2015		
08:40-09:30	PRACTICAL EXAMINATION	
09:40-10:30		
10:40-11:30		
11:40-12:30		
Tuesday, 07 April, 2014		
08:40-09:30		
09:40-10:30	PRACTICAL EXAMINATION	
10:40-11:30		
11:40-12:30		

Wednesday,	08 April, 2014	
08:40-09:30		
09:40-10:30		
10:40-11:30		
11:40-12:30		
Thursday,	09 April, 2014	
08:40-09:30		
09:40-10:30		
10:40-11:30		
11:40-12:30		
Friday,	10 April, 2014	
08:40-09:30		
09:40-10:30	THEORETICAL EXAMINATION	
10:40-11:30		
11:40-12:30		