



DEVELOPMENT AND ORGANIZATION OF HUMAN BODY
YEAR 1 COURSE 3
January 18 – March 25, 2016

Coordinator of the Course 1.3 Assist. Prof., Ayşe ÜLGEN	Coordinator of the Module 1.3 Assist. Prof., Kerem TERALI
Coordinator of Multidisciplinary Students' Lab. Assist. Prof., Kerem TERALI	Coordinator of Clinical Skill Lab. Instructor, Dr. Berfu Çerçi ÖNGÜN
Coordinators of Assessment Unit Assist. Prof., Mümtaz GÜRAN , Assist. Prof., Ayşe ÜLGEN, Assist. Prof., Mevhibe HOCAOĞLU, Assist. Prof., Kerem TERALI	Coordinator of ICS Res. Lab. Assist. Prof., Mevhibe HOCAOĞLU
Year 1 Coordinators Assoc. Prof., Serap ŞİRVANCI & Assoc. Prof., Mustafa AKKİPRİK	
Module Coordinator Assoc. Prof., Özlem SARIKAYA	Introduction to Clinician Skills (ICS) Coordinators Prof., Sibel KALAÇA, 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	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

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 defense mechanism of the body.

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

- define the structural elements of the tissues
- be able to 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-1.3 & MODULE 1.3

- Anatomy
- Biochemistry
- Biophysics
- Biostatistics
- Child and Adolescent Psychiatry
- Histology & Embryology
- Immunology
- Medical Biology
- Medical Education
- Medical Genetics
- Microbiology
- Neurology
- Obstetrics and Gynecology
- Physical Therapy and Rehabilitation
- Physiology

LECTURERS / TUTORS

Alper YILDIRIM, Assist. Professor of Physiology
Ayşe KOZANSOY, Instructor of Medical English
Ayfer Şen, Instructor of Medical English
Ayşe ÜLGEN, Assist. Professor of Biostatistics
Betül KARADEMİR, Assoc. Professor of Biochemistry
Dr.Berfu Çerçi ÖNGÜN, Instructor in Anatomy
Dilek AKAKIN, Assoc. Professor of Histology and Embryology
Emine ÖZERİNÇ, Instructor of School of Foreign Languages and Preparatory School
Feriha ERCAN, Professor of Histology and Embryology
Hızır KURTEL, Professor of Physiology
Hülya CABADAK, Assoc. Professor of Biophysics
İlter GÜNEY, Assist. Professor of Medical Genetics
İnci ALİCAN, Professor of Physiology
Mehmet AKMAN, Professor of Public Health
Mevhibe HOCAOĞLU, Assist. Professor of Public Health
Mümtaz GÜRAN, Assist. Professor of Microbiology
Önder ŞIRIKÇI, Professor of Biochemistry
Özgür KASIMAY, Assoc. Professor of Physiology
Özlem SARIKAYA, Assoc. Professor of Public Health
Pemra ÜNALAN, Assoc. Professor of Family Medicine
Pınar ATA, Assoc. Professor of Medical Genetics
Saime BATIREL, Assist. Professor of Biochemistry
Serap ŞİRVANCI, Professor of Histology and Embryology
Sinem YILDIZ, Assist. Professor of Medical Education
Şükrü TÜZMEN, Assoc. Professor of Medical Biology
Tunç AKKOÇ, Professor of Immunology
Ural Verimli, Assistant Professor of Anatomy
Ümit ŞEHİRLİ, Professor of Anatomy
Naife SEVDALI, Instructor of Clinical Psychology

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
- Gray Anatomy; Çeviri Editörü: Prof. Dr. Mehmet YILDIRIM, Güneş Kitabevi, 2006
- Gray's Anatomy for Students; Richard L. Drake, Henry Gray, Adam W.M. Mitchell
- Harper's Biochemistry; 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, Willey 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 Aytakin, 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	5	3	8
Biochemistry	10		10
Biostatistics	12		12
Histology and Embryology	33	8	41
Immunology	2		2
Medical Biology	1		1
Microbiology	16	5	21
Physiology	12	1	13
Biophysics	1		1
Medical Genetics	2		2
Subtotal	94	17	110
PBL Module	8		8
TOTAL	102		118
ICS-1: First Aid	19		19
ICS-1: Communication Skills & Students' Research Activity	16		16
ICS-1: Comp&SRA: Questionnaire reviews with advisors and planning data gathering	4		4
Medical English	18		18
Communication in Turkish I	26		26
TOTAL			

SEVEN WEEK PROGRAM

	Theoretical and Practical Sessions	Lecturer(s) / Tutor(s)
1. WEEK (January 18-January 22, 2016)		
Monday	18 January, 2016	
08:40-09:30	Introduction to the course	Dr. Ayşe Ülgen
09:40-10:30	ICS -1: First-Aid Course	Dr. Pemra Ünalın, Dr.Mehmet Akman- Dr. Berfu Çerçi Öngün
10:40-11:30	ICS -1: First-Aid Course	Dr. Pemra Ünalın, Dr.Mehmet Akman- Dr. Berfu Çerçi Öngün
11:40-12:30	ICS -1: First-Aid Course	Dr. Pemra Ünalın, Dr.Mehmet Akman- Dr. Berfu Çerçi Öngün
13:40-14:30	ICS -1: First-Aid Course	Dr. Pemra Ünalın, Dr.Mehmet Akman- Dr. Berfu Çerçi Öngün
14:40-15:30	ICS -1: First-Aid Course	Dr. Pemra Ünalın, Dr.Mehmet Akman- Dr. Berfu Çerçi Öngün
15:40-16:30	ICS -1: First-Aid Course	Dr. Pemra Ünalın, Dr.Mehmet Akman- Dr. Berfu Çerçi Öngün
16:40-17:30	ICS -1: First-Aid Course	Dr. Pemra Ünalın, Dr.Mehmet Akman- Dr. Berfu Çerçi Öngün
Tuesday	19 January, 2016	
08:40-09:30	STUDY TIME	

09:40-10:30	STUDY TIME	
10:40-11:30	Medical English (1) (2)	Sn.Instr.Ayşe Kozansoy Sn.Instr. Ayfer Civişilli
11:40-12:30	Medical English (1) (2)	Sn.Instr.Ayşe Kozansoy Sn.Instr. Ayfer Civişilli
13:40-14:30	STUDY TIME	
14:40-15:30	STUDY TIME	
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
Wednesday 20 January, 2016		
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	STUDY TIME	
11:40-12:30	STUDY TIME	
13:40-14:30	STUDY TIME	

14:40-15:30	STUDY TIME	
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
Thursday 21 January, 2016		
08:40-09:30	Epithelial tissue	Dr. Dilek Akakın
09:40-10:30	Epithelial tissue	Dr. Dilek Akakın
10:40-11:30	Glandular tissue	Dr. Dilek Akakın
11:40-12:30	Introduction to embryology: Spermatogenesis	Dr. Dilek Akakın
13:40-14:30	Histology LAB: Epithelial tissue (Group A)	Dr. Dilek Akakın
14:40-15:30	Histology LAB: Epithelial tissue (Group A)	Dr. Dilek Akakın
15:40-16:30	Principles of sterilization and disinfection	Dr. Mümtaz Güran
16:40-17:30	Principles of sterilization and disinfection	Dr. Mümtaz Güran
Friday 22 January, 2016		
08:40-09:30	Classification and structure of prokaryotic and eukaryotic organisms	Dr. Mümtaz Güran
09:40-10:30	Histology LAB: Epithelial tissue (Group B)	Dr. Dilek Akakın
10:40-11:30	Histology LAB: Epithelial tissue (Group B)	Dr. Dilek Akakın
11:40-12:30	Introduction to embryology: Spermatogenesis	Dr. Dilek Akakın
13:40-14:30	Introduction to embryology: Oogenesis	Dr. Dilek Akakın

14:40-15:30	Introduction to embryology: Oogenesis	Dr. Dilek Akakin
15:40-16:30	Fertilization and implantation	Dr. Dilek Akakin
16:40-17:30	Fertilization and implantation	Dr. Dilek Akakin
25 January – 5 February 2016 HOLIDAY		
2. WEEK (8 February – 12 February , 2016)		
Monday 8 February, 2016		
08:40-09:30	STUDY TIME	
09:40-10:30	Classification and general properties of medically important helminths	Dr. Mümtaz Güran
10:40-11:30	STUDY TIME	
11:40-12:30	STUDY TIME	
13:40-14:30	ICS-1: Comp&SRA: Questionnaire reviews with advisors and planning data gathering	Dr. Mevhibe Hocaoğlu
14:40-15:30	ICS-1: Comp&SRA: Questionnaire reviews with advisors and planning data gathering	Dr. Mevhibe Hocaoğlu
15:40-16:30	ICS-1: Comp&SRA: Questionnaire reviews with advisors and planning data gathering	Dr. Mevhibe Hocaoğlu
16:40-17:30	ICS-1: Comp&SRA: Questionnaire reviews with advisors and planning data gathering	Dr. Mevhibe Hocaoğlu
Tuesday 9 February, 2016		
08:40-09:30	Introduction to musculoskeletal system	Dr. Ural Verimli
09:40-10:30	Introduction to cardiovascular system	Dr. Ural Verimli
10:40-11:30	Introduction to respiratory system	Dr. Ural Verimli
11:40-12:30	Anatomy LAB: Anatomy of respiratory and circulatory system (Group A)	Dr. Ural Verimli, Dr. Berfu Çerçi Öngün

13:40-14:30	Anatomy LAB: Anatomy of respiratory and circulatory system (Group B)	Dr. Ural Verimli, Dr. Berfu Çerçi Öngün
14:40-15:30	Medical English (Group 1) (Group 2)	Sn.Instr.Ayşe Kozansoy Sn.Instr. Ayfer Civisilli
15:40-16:30	Medical English (Group 1) (Group 2)	Sn.Instr.Ayşe Kozansoy Sn.Instr. Ayfer Civisilli
16:40-17:30	STUDY TIME	
Wednesday 10 February, 2016		
08:40-09:30	Histology of supporting tissue: Connective tissue	Dr. Feriha Ercan
09:40-10:30	Histology of supporting tissue: Connective tissue	Dr. Feriha Ercan
10:40-11:30	Histology LAB: Connective tissue (Group A)	Dr. Feriha Ercan
11:40-12:30	Histology LAB: Connective tissue (Group A)	Dr. Feriha Ercan
13:40-14:30	Specialized connective tissues: Adipose tissue, blood	Dr. Feriha Ercan
14:40-15:30	Specialized connective tissues: Cartilage and bone	Dr. Feriha Ercan
15:40-16:30	PBL MODULE-1	Dr.Kerem Teralı, Dr. Mevhibe Hocoğlu Dr.Ayşe Ülgen, Naife Sevdalı
16:40-17:30	PBL MODULE-1	Dr.Kerem Teralı, Dr. Mevhibe Hocoğlu Dr.Ayşe Ülgen, Naife Sevdalı
Thursday 11 February, 2016		
08:40-09:30	Skeletal muscle	Dr. Feriha Ercan
09:40-10:30	Formation of bilaminar embryo	Dr. Feriha Ercan
10:40-11:30	Histology LAB: Connective tissue (Group B)	Dr. Feriha Ercan

11:40-12:30	Histology LAB: Connective tissue (Group B)	Dr. Feriha Ercan
13:40-14:30	Formation of trilaminar embryo	Dr. Feriha Ercan
14:40-15:30	Formation of trilaminar embryo	Dr. Feriha Ercan
15:40-16:30	Histology LAB: Specialized connective Tissue (Group A)	Dr. Feriha Ercan
16:40-17:30	Histology LAB: Specialized connective Tissue (Group A)	Dr. Feriha Ercan
Friday	12 February, 2016	
08:40-09:30	Extraembryonic membranes	Dr. Feriha Ercan
09:40-10:30	Extraembryonic membranes	Dr. Feriha Ercan
10:40-11:30	Histology LAB: Specialized connective Tissue (Group B)	Dr. Feriha Ercan
11:40-12:30	Histology LAB: Specialized connective Tissue (Group B)	Dr. Feriha Ercan
13:40-14:30	Formation of basic organ systems	Dr. Feriha Ercan
14:40-15:30	Formation of basic organ systems	Dr. Feriha Ercan
15:40-16:30	PBL MODULE-2	Dr.Kerem Teralı, Dr. Mevhibe Hocaoglu Dr.Ayşe Ülgen, Naife Sevdalı
16:40-17:30	PBL MODULE-2	Dr.Kerem Teralı, Dr. Mevhibe Hocaoglu Dr.Ayşe Ülgen, Naife Sevdalı
3. WEEK (15-19 February, 2016)		
Monday	15 February, 2016	
08:40-09:30	STUDY TIME	

09:40-10:30	Communication in Turkish I	Emine Özerinç
10:40-11:30	Communication in Turkish I	Emine Özerinç
11:40-12:30	Homeostasis among organ systems: Cross talking	Dr. Saime Batirel
13:40-14:30	Biochemistry of connective tissue	Dr. Saime Batirel
14:40-15:30	Biochemistry of connective tissue	Dr. Saime Batirel
15:40-16:30	Biochemistry of adipose tissue	Dr. Saime Batirel
16:40-17:30	Biochemistry of adipose tissue	Dr. Saime Batirel
Tuesday 16 February, 2016		
08:40-09:30	Communication in Turkish I	Emine Özerinç
09:40-10:30	Communication Turkish I	Emine Özerinç
10:40-11:30	Medical English (Group 1)	Sn.Instr.Ayşe Kozansoy
11:40-12:30	Medical English (Group 1)	Sn.Instr.Ayşe Kozansoy
13:40-14:30	STUDY TIME	
14:40-15:30	Medical English (Group 2)	Sn.Instr.Ayfer Civişilli
15:40-16:30	Medical English (Group 2)	Sn.Instr.Ayfer Civişilli
16:40-17:30	STUDY TIME	
Wednesday 17 February, 2016		
08:40-09:30	Anatomy of the organs related to digestive system	Dr. Ümit Şehirli, Dr. Berfu Çerçi Öngün
09:40-10:30	Introduction to urogenital system	Dr. Ümit Şehirli, Dr. Berfu Çerçi Öngün

10:40-11:30	Anatomy LAB: Anatomy of digestive system (Group A)	Dr. Ümit Şehirli, Dr. Berfu Çerçi Öngün
11:40-12:30	Anatomy LAB: Anatomy of digestive system (Group B)	Dr. Ümit Şehirli, Dr. Berfu Çerçi Öngün
13:40-14:30	Anatomy LAB: Anatomy of the organs of urogenital system (Group A)	Dr. Ümit Şehirli, Dr. Berfu Çerçi Öngün
14:40-15:30	Anatomy LAB: Anatomy of the organs of urogenital system (Group B)	Dr. Ümit Şehirli, Dr. Berfu Çerçi Öngün
15:40-16:30	PBL MODULE-3	Dr.Kerem Teralı, Dr. Mevhibe Hocaoğlu Dr.Ayşe Ülgen, Naife Sevdalı
16:40-17:30	PBL MODULE-3	Dr.Kerem Teralı, Dr. Mevhibe Hocaoğlu Dr.Ayşe Ülgen, Naife Sevdalı
Thursday 18 February, 2016		
08:40-09:30	Cardiac muscle	Dr. Serap Şırvancı
09:40-10:30	Smooth muscle	Dr. Serap Şırvancı
10:40-11:30	Congenital malformations	Dr. Serap Şırvancı
11:40-12:30	Congenital malformations	Dr. Serap Şırvancı
13:40-14:30	Histology of lung, heart and vessels	Dr. Serap Şırvancı
14:40-15:30	Histology of lung, heart and vessels	Dr. Serap Şırvancı
15:40-16:30	Histology LAB: Muscle tissue (Group A)	Dr. Serap Şırvancı
16:40-17:30	Histology LAB: Muscle tissue (Group A)	Dr. Serap Şırvancı
Friday 19 February, 2016		
08:40-09:30	Histology of gastrointestinal system	Dr. Serap Şırvancı
09:40-10:30	Histology of gastrointestinal system	Dr. Serap Şırvancı

10:40-11:30	Histology LAB: Muscle tissue (Group B)	Dr. Serap Şirvancı
11:40-12:30	Histology LAB: Muscle tissue (Group B)	Dr. Serap Şirvancı
13:40-14:30	Histology of spleen, thymus and lymph nodes	Dr. Serap Şirvancı
14:40-15:30	Histology of spleen, thymus and lymph nodes	Dr. Serap Şirvancı
15:40-16:30	PBL MODULE-4	Dr.Kerem Teralı, Dr.Mevhibe Hocaoğlu, Dr.Ayşe Ülgen, Naife Sevdalı
16.40-17.30	PBL MODULE-4	Dr.Kerem Teralı, Dr.Mevhibe Hocaoğlu, Dr.Ayşe Ülgen, Naife Sevdalı
4. WEEK (22-26 February, 2016)		
Monday 22 February, 2016		
08:40-09:30	Review of statistical inference table and introduction to nonparametric methods	Dr. Ayşe Ülgen
09:40-10:30	Sign test, Mann-Whitney U test, Wilcoxon test (paired sample)	Dr. Ayşe Ülgen
10:40-11:30	PBL STUDY TIME	
11:40-12:30	ICS -1: First-Aid Course	Dr. Pemra Ünalın, Dr.Mehmet Akman- Dr. Berfu Çerçi Öngün
13:40-14:30	ICS -1: First-Aid Course	Dr. Pemra Ünalın, Dr.Mehmet Akman- Dr. Berfu Çerçi Öngün
14:40-15:30	ICS -1: First-Aid Course	Dr. Pemra Ünalın, Dr.Mehmet Akman- Dr. Berfu Çerçi Öngün
15:40-16:30	ICS -1: First-Aid Course	Dr. Pemra Ünalın, Dr.Mehmet Akman- Dr. Berfu Çerçi Öngün
16:40-17:30	ICS -1: First-Aid Course	Dr. Pemra Ünalın, Dr.Mehmet Akman- Dr. Berfu Çerçi Öngün
Tuesday 23 February, 2016		

08:40-09:30	ICS -1: First-Aid Course	Dr. Pemra Ünalın, Dr.Mehmet Akman- Dr. Berfu Çerçi Öngün
09:40-10:30	ICS -1: First-Aid Course	Dr. Pemra Ünalın, Dr.Mehmet Akman- Dr. Berfu Çerçi Öngün
10:40-11:30	ICS -1: First-Aid Course	Dr. Pemra Ünalın, Dr.Mehmet Akman- Dr. Berfu Çerçi Öngün
11:40-12:30	ICS -1: First-Aid Course	Dr. Pemra Ünalın, Dr.Mehmet Akman- Dr. Berfu Çerçi Öngün
13:40-14:30	Smooth muscle contraction	Dr. Hülya Cabadak
14:40-15:30	ICS -1: First-Aid Course	Dr. Pemra Ünalın, Dr.Mehmet Akman- Dr. Berfu Çerçi Öngün
15:40-16:30	ICS -1: First-Aid Course	Dr. Pemra Ünalın, Dr.Mehmet Akman- Dr. Berfu Çerçi Öngün
16:40-17:30	ICS -1: First-Aid Course	Dr. Pemra Ünalın, Dr.Mehmet Akman- Dr. Berfu Çerçi Öngün
Wednesday 24 February, 2016		
08:40-09:30	ICS -1: Communication Skills Course	Dr. Özlem Sarıkaya, Dr. Sinem Yıldız, Dr.Mevhibe Hocaođlu, Dr.Ayşe Ülgen
09:40-10:30	ICS -1: Communication Skills Course	Dr. Özlem Sarıkaya, Dr. Sinem Yıldız, Dr.Mevhibe Hocaođlu, Dr.Ayşe Ülgen
10:40-11:30	ICS -1: Communication Skills Course	Dr. Özlem Sarıkaya, Dr. Sinem Yıldız, Dr.Mevhibe Hocaođlu, Dr.Ayşe Ülgen
11:40-12:30	ICS -1: Communication Skills Course	Dr. Özlem Sarıkaya, Dr. Sinem Yıldız, Dr.Mevhibe Hocaođlu, Dr.Ayşe Ülgen

13:40-14:30	ICS -1: Communication Skills Course	Dr. Özlem Sarıkaya, Dr. Sinem Yıldız, Dr.Mevhibe Hocaoğlu, Dr.Ayşe Ülgen
14:40-15:30	ICS -1: Communication Skills Course	Dr. Özlem Sarıkaya, Dr. Sinem Yıldız, Dr.Mevhibe Hocaoğlu, Dr.Ayşe Ülgen
15:40-16:30	ICS -1: Communication Skills Course	Dr. Özlem Sarıkaya, Dr. Sinem Yıldız, Dr.Mevhibe Hocaoğlu, Dr.Ayşe Ülgen
16:40-17:30	ICS -1: Communication Skills Course	Dr. Özlem Sarıkaya, Dr. Sinem Yıldız, Dr.Mevhibe Hocaoğlu, Dr.Ayşe Ülgen
Thursday 25 February, 2016		
08:40-09:30	ICS -1: Communication Skills Course	Dr. Özlem Sarıkaya, Dr. Sinem Yıldız, Dr.Mevhibe Hocaoğlu, Dr.Ayşe Ülgen
09:40-10:30	ICS -1: Communication Skills Course	Dr. Özlem Sarıkaya, Dr. Sinem Yıldız, Dr.Mevhibe Hocaoğlu, Dr.Ayşe Ülgen
10:40-11:30	ICS -1: Communication Skills Course	Dr. Özlem Sarıkaya, Dr. Sinem Yıldız, Dr.Mevhibe Hocaoğlu, Dr.Ayşe Ülgen
11:40-12:30	ICS -1: Communication Skills Course	Dr. Özlem Sarıkaya, Dr. Sinem Yıldız, Dr.Mevhibe Hocaoğlu, Dr.Ayşe Ülgen
13:40-14:30	ICS -1: Communication Skills Course	Dr. Özlem Sarıkaya, Dr. Sinem Yıldız, Dr.Mevhibe Hocaoğlu, Dr.Ayşe Ülgen
14:40-15:30	ICS -1: Communication Skills Course	Dr. Özlem Sarıkaya, Dr. Sinem Yıldız, Dr.Mevhibe Hocaoğlu, Dr.Ayşe Ülgen

15:40-16:30	ICS -1: Communication Skills Course	Dr. Özlem Sarıkaya, Dr. Sinem Yıldız, Dr.Mevhibe Hocaoğlu, Dr.Ayşe Ülgen
16:40-17:30	ICS -1: Communication Skills Course	Dr. Özlem Sarıkaya, Dr. Sinem Yıldız, Dr.Mevhibe Hocaoğlu, Dr.Ayşe Ülgen
Friday 26 February, 2016		
08:40-09:30	Medical English (Group 1)	Sn.Instr.Ayşe Kozansoy
09:40-10:30	Medical English (Group 1)	Sn.Instr.Ayşe Kozansoy
10:40-11:30	STUDY TIME	
11:40-12:30	STUDY TIME	
13:40-14:30	ICS -1: Communication Skills Course	Dr. Özlem Sarıkaya, Dr. Sinem Yıldız, Dr.Mevhibe Hocaoğlu, Dr.Ayşe Ülgen
14:40-15:30	ICS -1: Communication Skills Course	Dr. Özlem Sarıkaya, Dr. Sinem Yıldız, Dr.Mevhibe Hocaoğlu, Dr.Ayşe Ülgen
15:40-16:30	ICS -1: Communication Skills Course	Dr. Özlem Sarıkaya, Dr. Sinem Yıldız, Dr.Mevhibe Hocaoğlu, Dr.Ayşe Ülgen
16:40-17:30	ICS -1: Communication Skills Course	Dr. Özlem Sarıkaya, Dr. Sinem Yıldız, Dr.Mevhibe Hocaoğlu, Dr.Ayşe Ülgen
5. WEEK (February 29,2016 – March 4, 2016)		
Monday 29 February, 2015		
08:40-09:30	Medical English (Group 2)	Sn.Instr.Ayfer Civisilli
09:40-10:30	Medical English (Group 2)	Sn.Instr.Ayfer Civisilli

10:40-11:30	Communication in Turkish I	Emine Özerinç
11:40-12:30	Communication in Turkish I	Emine Özerinç
13:40-14:30	Biochemical aspects of immunoglobulins	Dr. Önder Şirikçi
14:40-15:30	Biochemical aspects of immunoglobulins	Dr. Önder Şirikçi
15:40-16:30	Physiological properties of the smooth muscle	Dr. İnci Alican
16:40-17:30	Normal distribution and composition of body fluids	Dr. İnci Alican
Tuesday 1 March, 2016		
08:40-09:30	Communication in Turkish I	Emine Özerinç
09:40-10:30	Communication in Turkish I	Emine Özerinç
10:40-11:30	The fate of substances in the body	Dr. Betül Karademir
11:40-12:30	Biochemical aspect of cytokines	Dr. Betül Karademir
13:40-14:30	Biochemical aspect of cytokines	Dr. Betül Karademir
14:40-15:30	Medical English (Group 1) (Group 2)	Sn.Instr.Ayşe Kozansoy Sn.Instr. Ayfer Civisilli
15:40-16:30	Medical English (Group 1) (Group 2)	Sn.Instr.Ayşe Kozansoy Sn.Instr. Ayfer Civisilli
16:40-17:30	STUDY TIME	
Wednesday 2 March, 2016		
08:40-09:30	Chi-square test of independence	Dr.Ayşe Ülgen
09:40-10:30	Chi-square test of homogeneity	Dr.Ayşe Ülgen
10:40-11:30	Physiology of body defense system	Dr. Hızır Kurtel

11:40-12:30	Physiology of body defense system	Dr. Hızır Kurtel
13:40-14:30	Composition and function of blood	Dr. Özgür Kasımay
14:40-15:30	General principles of renal physiology	Dr. Özgür Kasımay
15:40-16:30	General principles of renal physiology	Dr. Özgür Kasımay
16:40-17:30	Functional structures of the digestive system	Dr. Alper Yıldırım
Thursday 3 March, 2016		
08:40-09:30	Physiological properties of the skeletal muscle	Dr. Alper Yıldırım
09:40-10:30	Physiology LAB: Muscle physiology (Group A)	Dr. Özgür Kasımay
10:40-11:30	Physiology LAB: Muscle physiology (Group B)	Dr. Özgür Kasımay
11:40-12:30	Physiology LAB: Muscle physiology (Group C)	Dr. Özgür Kasımay
13:40-14:30	Regulation of body fluids and pH	Dr. Özgür Kasımay
14:40-15:30	Functions of the respiratory system	Dr. Alper Yıldırım
15:40-16:30	Functional structures of the heart and peripheral circulation	Dr. Alper Yıldırım
16:40-17:30	Application of bacterial genetics in industry and Microbiology	Dr. Mümtaz Güran
Friday 4 March, 2016		
08:40-09:30	Medical English (Group 1 & 2)	Sn.Instr.Ayşe Kozansoy, Sn.Instr. Ayfer Civişli
09:40-10:30	Medical English (Group 1 & 2)	Sn.Instr.Ayşe Kozansoy, Sn.Instr. Ayfer Civişli
10:40-11:30	STUDY TIME	
11:40-12:30	STUDY TIME	

13:40-14:30	ICS-1: Types of variables and showing them with graphics with Excel	Dr. Sinem Yıldız, Dr.Mevhibe Hocaođlu, Dr. Ayşe Ülgem
14:40-15:30	ICS-1: Types of variables and showing them with graphics with Excel	Dr. Sinem Yıldız, Dr.Mevhibe Hocaođlu, Dr. Ayşe Ülgem
15:40-16:30	ICS-1: Types of variables and showing them with graphics with Excel	Dr. Sinem Yıldız, Dr.Mevhibe Hocaođlu, Dr. Ayşe Ülgem
16:40-17:30	ICS-1: Types of variables and showing them with graphics with Excel	Dr. Sinem Yıldız, Dr.Mevhibe Hocaođlu, Dr. Ayşe Ülgem
6. WEEK (7-11 March, 2016)		
Monday 7 March, 2016		
08:30-09:30	Medical English (Group 2)	Sn.Instr.Ayfer Civisilli
09:40-10:30	Medical English (Group 2)	Sn.Instr.Ayfer Civisilli
10:40-11:30	Communication in Turkish I	Emine Özerinç
11:40-12:30	Communication in Turkish I	Emine Özerinç
13:40-14:30	Comparing risk-relative risk and Odds ratio	Dr. Ayşe Ülgem
14:40-15:30	Some basic concepts for diagnosis tests	Dr.Ayşe Ülgem
15:40-16:30	Histology of urogenital system	Dr. Feriha Ercan
16:40-17:30	Histology of urogenital system	Dr. Feriha Ercan
Tuesday 8 March, 2016		
08:40-09:30	Medical English (Group 1)	Sn.Instr.Ayşe Kozansoy
09:40-10:30	Medical English (Group 1)	Sn.Instr.Ayşe Kozansoy
10:40-11:30	History and Development of Microbiology	Dr. Mümtaz Güran

11:40-12:30	Microbiology LAB: Rules in microbiology laboratory and use of microscope (Group A)	Dr. Mümtaz Güran
13:40-14:30	Microbiology LAB: Rules in microbiology laboratory and use of microscope (Group B)	Dr. Mümtaz Güran
14:40-15:30	Medical English (Group 2)	Sn.Instr.Ayfer Civisilli
15:40-16:30	Medical English (Group 2)	Sn.Instr.Ayfer Civisilli
16:40-17:30	STUDY TIME	
Wednesday 9 March, 2016		
08:40-09:30	Communication in Turkish I	Emine Özerinç
09:40-10:30	Communication in Turkish I	Emine Özerinç
10:40-11:30	Communication in Turkish I	Emine Özerinç
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	Developmental genetics	Dr. İter Güney
16:40-17:30	Genomic organization of HLA system	Dr. Pınar Ata
Thursday 10 March, 2016		
08:40-09:30	Communication in Turkish I	Emine Özerinç
09:40-10:30	Communication in Turkish I	Emine Özerinç
10:40-11:30	Classification, morphology and replication of viruses and prions	Dr. Mümtaz Güran
11:40-12:30	Classification, morphology and replication of viruses and prions	Dr. Mümtaz Güran

13:40-14:30	Medical English (Group 1)	Sn.Instr.Ayşe Kozansoy
14:40-15:30	Medical English (Group 1)	Sn.Instr.Ayşe Kozansoy
15:40-16:30	Classification and general properties of medically important protozoa	Dr. Mümtaz Güran
13:40-14:30	Statistical packages	Dr.Ayşe Ülgen
Friday 11 March, 2016		
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	
7. WEEK (14-18 March, 2016)		
Monday, 14 March, 2016		
08:30-09:30	PBL STUDY TIME	
09:40-10:30	PBL STUDY TIME	
10:40-11:30	Communication in Turkish I	Emine Özerinç
11:40-12:30	Communication in Turkish I	Emine Özerinç
13:40-14:30	Genomic organization and rearrangement of immunoglobulin genes	Dr. Şükrü Tüzmen
14:40-15:30	Growth of bacteria	Dr. Mümtaz Güran

15:40-16:30	Interpretation of computer outputs	Dr. Ayşe Ülgen
16:40-17:30		
Tuesday 15 March, 2016		
08:40-09:30	Correlation	Dr. Ayşe Ülgen
09:40-10:30	Simple regression	Dr. Ayşe Ülgen
10:40-11:30	Communication in Turkish I	Emine Özerinç
11:40-12:30	Communication in Turkish I	Emine Özerinç
13:40-14:30	Bacterial metabolism	Dr. Mümtaz Güran
14:40-15:30	Medical English (Group 1) (Group 2)	Sn.Instr.Ayşe Kozansoy Sn.Instr. Ayfer Civişilli
15:40-16:30	Medical English (Group 1) (Group 2)	Sn.Instr.Ayşe Kozansoy Sn.Instr. Ayfer Civişilli
16:40-17:30	STUDY TIME	
Wednesday 16 March, 2016		
08:40-09:30	Approach to evidence based medicine	Dr. Ayşe Ülgen
09:40-10:30	Systematic reviews and meta analysis	Dr. Ayşe Ülgen
10:40-11:30	PBL STUDY TIME	
11:40-12:30	PBL STUDY TIME	
13:40-14:30	STUDY TIME	
14:40-15:30	Communication in Turkish I	Emine Özerinç
15:40-16:30	Communication in Turkish I	Emine Özerinç

16:40-17:30	Communication in Turkish I	Emine Özerinç
Thursday 17 March, 2016		
08:40-09:30	Communication in Turkish I	Emine Özerinç
09:40-10:30	Communication in Turkish I	Emine Özerinç
10:40-11:30	Basic structure of bacterial cell and classification of bacteria	Dr. Mümtaz Güran
11:40-12:30	Basic structure of bacterial cell and classification of bacteria	Dr. Mümtaz Güran
13:40-14:30	Microbiology LAB: Bacterial growth and cultivation technique (Group A)	Dr. Mümtaz Güran
14:40-15:30	Microbiology LAB: Bacterial growth and cultivation technique (Group A)	Dr. Mümtaz Güran
15:40-16:30	Microbiology LAB: Bacterial growth and cultivation technique (Group B)	Dr. Mümtaz Güran
16:40-17:30	Microbiology LAB: Bacterial growth and cultivation technique (Group B)	Dr. Mümtaz Güran
Friday 18 March, 2016		
08:40-09:30	Bacterial genetics and bacteriophages	Dr. Mümtaz Güran
09:40-10:30	Bacterial genetics and bacteriophages	Dr. Mümtaz Güran
10:40-11:30	PBL STUDY TIME	
11:40-12:30	Classification and general properties of medically important fungi	Dr. Mümtaz Güran
13:40-14:30	Microbiology LAB: Bacterial growth and cultivation technique (Group A)	Dr. Mümtaz Güran
14:40-15:30	Microbiology LAB: Bacterial growth and cultivation technique (Group A)	Dr. Mümtaz Güran
15:40-16:30	Microbiology LAB: Bacterial growth and cultivation technique (Group B)	Dr. Mümtaz Güran

16:40-17:30	Microbiology LAB: Bacterial growth and cultivation technique (Group B)	Dr. Mümtaz Güran
8. WEEK (21-25 March, 2016)		
Monday	21 March, 2016	
08:30-09:30		
09:40-10:30	PRACTICAL EXAM	
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	22 March, 2016	
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	STUDY TIME	
14:40-15:30	STUDY TIME	
15:40-16-30	STUDY TIME	
16:40-17:30	STUDY TIME	

Wednesday 23 March, 2016	
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	STUDY TIME
14:40-15:30	STUDY TIME
15:40-16:30	STUDY TIME
16:40-17:30	STUDY TIME
Thursday 24 March, 2016	
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	STUDY TIME
14:40-15:30	STUDY TIME
15:40-16:30	STUDY TIME
16:40-17:30	STUDY TIME
Friday 25 March, 2016	
08:30-09:30	

09:40-10:30	THEORETICAL EXAM
10:40-11:30	
11:40-12:30	
13:40-14:30	
14:40-15:30	
15:40-16:30	
16:40-17:30	