



**DEVELOPMENT AND ORGANIZATION OF HUMAN BODY**  
**YEAR 1 COURSE 3**  
**January 17 – March 24, 2017**

**Coordinator of the Course 1.3**

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 Hocaoglu  
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

## 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
- Histology & Embryology

- Immunology
- Medical Biology
- Medical Genetics
- Microbiology
- Physiology

### LECTURERS / TUTORS

Alper YILDIRIM, Assist. Professor of Physiology  
Ayşe KOZANSOY, Senior Instructor of Medical English  
Ayfer Civisilli, Senior Instructor of Medical English  
Betül KARADEMİR, Assoc. Professor of Biochemistry  
Berfu Çerçi ÖNGÜN, Instructor in Anatomy  
Dilek AKAKIN, Assoc. Professor of Histology and Embryology  
Feriha ERCAN, Professor of Histology and Embryology  
Hızır KURTEL, Professor of Physiology  
Hülya CABADAK, Assoc. Professor of Biophysics  
İlke Akçay, Assist. Professor of Biostatistics  
İlter GÜNEY, Assist. Professor of Medical Genetics  
İnci ALİCAN, Professor of Physiology  
Masoud AFSHANI, Instructor of Histology and Embryology

Mevhibe HOCAOĞLU, Assist. Professor of Public Health  
Mümtaz GÜRAN, Assist. Professor of Microbiology  
Nevber İSTİLLOZLU, Instructor of Turkish Communication  
Önder ŞİRİKÇİ, Professor of Biochemistry  
Özlem SARIKAYA, Assoc. Professor of Public Health  
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  
Şerife Çelebi SÖKMEZ, Instructor of Turkish Communication  
Şükrü TÜZMEN, Assoc. Professor of Medical Biology  
Tunç AKKOÇ, Professor of Immunology  
Ural Verimli, Assistant Professor of Anatomy  
Ümit ŞEHİRLİ, Professor of Anatomy

## 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 Anatomi; 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 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	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	2	14
Biophysics	1		1
Medical Genetics	2		2
<b>Subtotal</b>	<b>94</b>	<b>18</b>	<b>112</b>
PBL Module	8		8
ICS-1: Communication Skills	18		18
ICS-1: Computer & Student Research Activity	4		4
Medical English	24		24
Communication in Turkish I	32		32
<b>TOTAL</b>	<b>180</b>		<b>198</b>

**17<sup>th</sup> January – 24<sup>th</sup> March 2017**

<b>Week 1</b>	<b>16 – 20 January 2017</b>	
<b>Monday</b>	<b>16 January</b>	
<b>08:40-09:30</b>		
<b>09:40-10:30</b>	Introduction to the course	Dr. İlke Akçay
<b>10:40-11:30</b>	Review of statistical inference table and introduction to nonparametric methods	Dr. İlke Akçay
<b>11:40-12:30</b>	Sign test, Mann-Whitney U test, Wilcoxon test (paired sample)	Dr. İlke Akçay
<b>13:40-14:30</b>	Medical English (Gr1 & Gr2)	Sn. Inst. Ayşe Kozansoy Sn. Inst. Ayfer Cavisilli
<b>14:40-15:30</b>	Medical English (Gr1 & Gr2)	Sn. Inst. Ayşe Kozansoy Sn. Inst. Ayfer Cavisilli
<b>15:40-16:30</b>	Communication in Turkish – II (Gr1 & Gr2)	Inst. Nevber İstillozlu Inst. Şerife Çelebi Sökmez
<b>16:40-17:30</b>	Communication in Turkish – II (Gr1 & Gr2)	Inst. Nevber İstillozlu Inst. Şerife Çelebi Sökmez
<b>Tuesday</b>	<b>17 January</b>	
<b>08:40-09:30</b>	History and Development of Microbiology	Dr. Mümtaz Güran
<b>09:40-10:30</b>	Classification and structure of prokaryotic and eukaryotic organisms	Dr. Mümtaz Güran
<b>10:40-11:30</b>	<b>'Atatürk's Principles and History of Modern Turkey' Exam</b>	Dr. Turgay Bülent Göktürk
<b>11:40-12:30</b>	<b>'Atatürk's Principles and History of Modern Turkey' Exam</b>	Dr. Turgay Bülent Göktürk
<b>13:40-14:30</b>	<b>ELECTIVE COURSE</b>	
<b>14:40-15:30</b>	<b>ELECTIVE COURSE</b>	
<b>15:40-16:30</b>	<b>ELECTIVE COURSE</b>	
<b>16:40-17:30</b>	<b>ELECTIVE COURSE</b>	
<b>Wednesday</b>	<b>18 January</b>	
<b>08:40-09:30</b>		
<b>09:40-10:30</b>		
<b>10:40-11:30</b>		
<b>11:40-12:30</b>		
<b>13:40-14:30</b>	<b>'Medical English' Exam</b>	Sn. Inst. Ayşe Kozansoy Sn. Inst. Ayfer Cavisilli
<b>14:40-15:30</b>	<b>'Medical English' Exam</b>	Sn. Inst. Ayşe Kozansoy Sn. Inst. Ayfer Cavisilli
<b>15:40-16:30</b>		
<b>16:40-17:30</b>		
<b>Thursday</b>	<b>19 January</b>	
<b>08:40-09:30</b>		
<b>09:40-10:30</b>	<b>'Communication in Turkish' Exam</b>	Inst. Nevber İstillozlu Inst. Şerife Çelebi Sökmez

<b>10:40-11:30</b>	<b>'Communication in Turkish' Exam</b>	Inst. Nevber İstillozlu Inst. Şerife Çelebi Sökmez
<b>11:40-12:30</b>	Classification and general properties of medically important fungi	Dr. Mümtaz Güran
<b>13:40-14:30</b>	Medical English (Gr1 & Gr2)	Sn. Inst. Ayşe Kozansoy Sn. Inst. Ayfer Civisilli
<b>14:40-15:30</b>	Medical English (Gr1 & Gr2)	Sn. Inst. Ayşe Kozansoy Sn. Inst. Ayfer Civisilli
<b>15:40-16:30</b>		
<b>16:40-17:30</b>		
<b>Friday</b>	<b>20 January</b>	
<b>08:40-09:30</b>		
<b>09:40-10:30</b>	Introduction to musculoskeletal system	Dr. Ural Verimli
<b>10:40-11:30</b>	Introduction to cardiovascular system	Dr. Ural Verimli
<b>11:40-12:30</b>	Introduction to respiratory system	Dr. Ural Verimli
<b>13:40-14:30</b>	<b>Anatomy LAB:</b> Anatomy of respiratory and circulatory system (Group A)	Dr. Ural Verimli, Dr. Berfu Çerçi Öngün
<b>14:40-15:30</b>	<b>Anatomy LAB:</b> Anatomy of respiratory and circulatory system (Group B)	Dr. Ural Verimli, Dr. Berfu Çerçi Öngün
<b>15:40-16:30</b>	Communication in Turkish – II (Gr1 & Gr2)	Inst. Nevber İstillozlu Inst. Şerife Çelebi Sökmez
<b>16:40-17:30</b>	Communication in Turkish – II (Gr1 & Gr2)	Inst. Nevber İstillozlu Inst. Şerife Çelebi Sökmez
<b>2nd Week</b>	<b>23-27 January 2017</b>	
<b>Monday</b>	<b>23 January</b>	
<b>08:40-09:30</b>		
<b>09:40-10:30</b>		
<b>10:40-11:30</b>	Epithelial tissue	Dr. Dilek Akakın
<b>11:40-12:30</b>	Epithelial tissue	Dr. Dilek Akakın
<b>13:40-14:30</b>	Glandular tissue	Dr. Dilek Akakın
<b>14:40-15:30</b>	Introduction to embryology: Spermatogenesis	Dr. Dilek Akakın
<b>15:40-16:30</b>	<b>Histology LAB:</b> Epithelial tissue (Group A)	Dr. Dilek Akakın, Inst. Masoud Afshani
<b>16:40-17:30</b>	<b>Histology LAB:</b> Epithelial tissue (Group A)	Dr. Dilek Akakın, Inst. Masoud Afshani
<b>Tuesday</b>	<b>24 January</b>	
<b>08:40-09:30</b>	Introduction to embryology: Spermatogenesis	Dr. Dilek Akakın
<b>09:40-10:30</b>	Introduction to embryology: Oogenesis	Dr. Dilek Akakın
<b>10:40-11:30</b>	Introduction to embryology: Oogenesis	Dr. Dilek Akakın
<b>11:40-12:30</b>	Fertilization and implantation	Dr. Dilek Akakın
<b>13:40-14:30</b>	<b>ELECTIVE COURSE</b>	
<b>14:40-15:30</b>	<b>ELECTIVE COURSE</b>	
<b>15:40-16:30</b>	<b>ELECTIVE COURSE</b>	

<b>16:40-17:30</b>	<b>ELECTIVE COURSE</b>	
<b>Wednesday</b>	<b>25 January</b>	
<b>08:40-09:30</b>	Histology of supporting tissue: Connective tissue	Dr. Dilek Akakin
<b>09:40-10:30</b>	Histology of supporting tissue: Connective tissue	Dr. Dilek Akakin
<b>10:40-11:30</b>	Skeletal muscle	Dr. Dilek Akakin
<b>11:40-12:30</b>	Cardiac muscle	Dr. Dilek Akakin
<b>13:40-14:30</b>	<b>Histology LAB:</b> Epithelial tissue (Group B)	Dr. Dilek Akakin, Inst. Masoud Afshani
<b>14:40-15:30</b>	<b>Histology LAB:</b> Epithelial tissue (Group B)	Dr. Dilek Akakin, Inst. Masoud Afshani
<b>15:40-16-30</b>	<b>Histology LAB:</b> Connective tissue (Group B)	Dr. Dilek Akakin, Inst. Masoud Afshani
<b>16:40-17:30</b>	<b>Histology LAB:</b> Connective tissue (Group B)	Dr. Dilek Akakin, Inst. Masoud Afshani
<b>Thursday</b>	<b>26 January</b>	
<b>08:40-09:30</b>	<b>Histology LAB:</b> Connective tissue (Group A)	Dr. Dilek Akakin, Inst. Masoud Afshani
<b>09:40-10:30</b>	<b>Histology LAB:</b> Connective tissue (Group A)	Dr. Dilek Akakin, Inst. Masoud Afshani
<b>10:40-11:30</b>	Anatomy of the organs related to digestive system	Dr. Ümit Süleyman Şehirli
<b>11:40-12:30</b>	Introduction to urogenital system	Dr. Ümit Süleyman Şehirli
<b>13:40-14:30</b>	<b>Anatomy LAB:</b> Anatomy of digestive system (Group A)	Dr. Ümit Süleyman Şehirli, Dr. Berfu Çerçi Öngün
<b>14:40-15:30</b>	<b>Anatomy LAB:</b> Anatomy of digestive system (Group B)	Dr. Ümit Süleyman Şehirli, Dr. Berfu Çerçi Öngün
<b>15:40-16-30</b>	<b>Anatomy LAB:</b> Anatomy of the organs of urogenital system (Group A)	Dr. Ümit Süleyman Şehirli, Dr. Berfu Çerçi Öngün
<b>16:40-17:30</b>	<b>Anatomy LAB:</b> Anatomy of the organs of urogenital system (Group B)	Dr. Ümit Süleyman Şehirli, Dr. Berfu Çerçi Öngün
<b>Friday</b>	<b>27 January</b>	
<b>08:40-09:30</b>		
<b>09:40-10:30</b>		
<b>10:40-11:30</b>		
<b>11:40-12:30</b>		
<b>13:40-14:30</b>		
<b>14:40-15:30</b>		
<b>15:40-16-30</b>		
<b>16:40-17:30</b>		
<b>3rd Week</b>	<b>13-17 February 2017</b>	
<b>Monday</b>	<b>13 February</b>	
<b>08:40-09:30</b>	Communication in Turkish – II (Gr1 & Gr2)	Inst. Nevber İstillozlu Inst. Şerife Çelebi Sökmez
<b>09:40-10:30</b>	Communication in Turkish – II (Gr1 & Gr2)	Inst. Nevber İstillozlu



		Inst. Şerife Çelebi Sökmez
<b>10:40-11:30</b>	Medical English (Gr1 & Gr2)	Sn.Inst. Ayşe Kozansoy Sn. Inst. Ayfer Cavisilli
<b>11:40-12:30</b>	Medical English (Gr1 & Gr2)	Sn.Inst. Ayşe Kozansoy Sn. Inst. Ayfer Cavisilli
<b>13:40-14:30</b>	Genomic organization of HLA system	Dr. Pınar Ata
<b>14:40-15:30</b>	Developmental genetics	Dr. İlter Güney
<b>15:40-16-30</b>	Classification and general properties of medically important protozoa	Dr. Mümtaz Güran
<b>16:40-17:30</b>	Classification and general properties of medically important helminths	Dr. Mümtaz Güran
<b>Tuesday</b>	<b>14 February</b>	
<b>08:40-09:30</b>	Communication in Turkish – II (Gr1 & Gr2)	Inst. Nevber İstillozlu Inst. Şerife Çelebi Sökmez
<b>09:40-10:30</b>	Communication in Turkish – II (Gr1 & Gr2)	Inst. Nevber İstillozlu Inst. Şerife Çelebi Sökmez
<b>10:40-11:30</b>	Chi-square test of independence	Dr. İlke Akçay
<b>11:40-12:30</b>	Chi-square test of homogeneity	Dr. İlke Akçay
<b>13:40-14:30</b>	Medical English (Gr1 & Gr2)	Sn.Inst. Ayşe Kozansoy Sn. Inst. Ayfer Cavisilli
<b>14:40-15:30</b>	Medical English (Gr1 & Gr2)	Sn.Inst. Ayşe Kozansoy Sn. Inst. Ayfer Cavisilli
<b>15:40-16-30</b>	<b>PBL Module-1</b>	
<b>16:40-17:30</b>	<b>PBL Module-1</b>	
<b>Wednesday</b>	<b>15 February</b>	
<b>08:40-09:30</b>	Communication in Turkish – II (Gr1 & Gr2)	Inst. Nevber İstillozlu Inst. Şerife Çelebi Sökmez
<b>09:40-10:30</b>	Communication in Turkish – II (Gr1 & Gr2)	Inst. Nevber İstillozlu Inst. Şerife Çelebi Sökmez
<b>10:40-11:30</b>	Classification, morphology and replication of viruses and prions	Dr. Mümtaz Güran
<b>11:40-12:30</b>	Classification, morphology and replication of viruses and prions	Dr. Mümtaz Güran
<b>13:40-14:30</b>	<b>Microbiology LAB:</b> Rules in microbiology laboratory and use of microscope (Group A)	Dr. Mümtaz Güran
<b>14:40-15:30</b>	<b>Microbiology LAB:</b> Rules in microbiology laboratory and use of microscope (Group B)	Dr. Mümtaz Güran
<b>15:40-16-30</b>	<b>Microbiology LAB:</b> Rules in microbiology laboratory and use of microscope (Group C)	Dr. Mümtaz Güran
<b>16:40-17:30</b>		
<b>Thursday</b>	<b>16 February</b>	
<b>08:40-09:30</b>		
<b>09:40-10:30</b>		
<b>10:40-11:30</b>		

<b>11:40-12:30</b>		
<b>13:40-14:30</b>		
<b>14:40-15:30</b>		
<b>15:40-16:30</b>		
<b>16:40-17:30</b>		
<b>Friday</b>	<b>17 February</b>	
<b>08:40-09:30</b>		
<b>09:40-10:30</b>		
<b>10:40-11:30</b>	Communication in Turkish – II (Gr1 & Gr2)	Inst. Nevber İstillozlu Inst. Şerife Çelebi Sökmez
<b>11:40-12:30</b>	Communication in Turkish – II (Gr1 & Gr2)	Inst. Nevber İstillozlu Inst. Şerife Çelebi Sökmez
<b>13:40-14:30</b>	Medical English (Gr1 & Gr2)	Sn.Inst. Ayşe Kozansoy Sn. Inst. Ayfer Civisilli
<b>14:40-15:30</b>	Medical English (Gr1 & Gr2)	Sn.Inst. Ayşe Kozansoy Sn. Inst. Ayfer Civisilli
<b>15:40-16:30</b>	Communication in Turkish – II (Gr1 & Gr2)	Inst. Nevber İstillozlu Inst. Şerife Çelebi Sökmez
<b>16:40-17:30</b>	Communication in Turkish – II (Gr1 & Gr2)	Inst. Nevber İstillozlu Inst. Şerife Çelebi Sökmez
<b>4th Week</b>	<b>20-24 February 2017</b>	
<b>Monday</b>	<b>20 February</b>	
<b>08:40-09:30</b>	ICS -1: Communication Skills Course (Introduction)	Dr. Mevhibe Hocaoğlu
<b>09:40-10:30</b>	ICS -1: Communication Skills Course (Film Session)	Dr. Mevhibe Hocaoğlu
<b>10:40-11:30</b>	ICS -1: Communication Skills Course (Film Session)	Dr. Mevhibe Hocaoğlu
<b>11:40-12:30</b>	ICS -1: Communication Skills Course	Dr. Özlem Sarıkaya, Dr. Sinem Yıldız, Dr.Mevhibe Hocaoğlu
<b>13:40-14:30</b>	ICS -1: Communication Skills Course	Dr. Özlem Sarıkaya, Dr. Sinem Yıldız, Dr.Mevhibe Hocaoğlu
<b>14:40-15:30</b>	ICS -1: Communication Skills Course	Dr. Özlem Sarıkaya, Dr. Sinem Yıldız, Dr.Mevhibe Hocaoğlu
<b>15:40-16:30</b>	ICS -1: Communication Skills Course	Dr. Özlem Sarıkaya, Dr. Sinem Yıldız, Dr.Mevhibe Hocaoğlu
<b>16:40-17:30</b>	ICS -1: Communication Skills Course	Dr. Özlem Sarıkaya, Dr. Sinem Yıldız, Dr.Mevhibe Hocaoğlu
<b>Tuesday</b>	<b>21 February</b>	
<b>08:40-09:30</b>	ICS -1: Communication Skills Course	Dr. Özlem Sarıkaya, Dr. Sinem Yıldız, Dr.Mevhibe Hocaoğlu
<b>09:40-10:30</b>	ICS -1: Communication Skills Course	Dr. Özlem Sarıkaya, Dr. Sinem Yıldız, Dr.Mevhibe Hocaoğlu
<b>10:40-11:30</b>	ICS -1: Communication Skills Course	Dr. Özlem Sarıkaya, Dr. Sinem Yıldız, Dr.Mevhibe Hocaoğlu
<b>11:40-12:30</b>	ICS -1: Communication Skills Course	Dr. Özlem Sarıkaya, Dr. Sinem Yıldız, Dr.Mevhibe Hocaoğlu

<b>13:40-14:30</b>	Medical English (Gr1 & Gr2)	Sn.Inst. Ayşe Kozansoy Sn. Inst. Ayfer Civisilli
<b>14:40-15:30</b>	Medical English (Gr1 & Gr2)	Sn.Inst. Ayşe Kozansoy Sn. Inst. Ayfer Civisilli
<b>15:40-16:30</b>	<b>PBL Module-2</b>	
<b>16:40-17:30</b>	<b>PBL Module-2</b>	
<b>Wednesday</b>	<b>22 February</b>	
<b>08:40-09:30</b>	ICS -1: Communication Skills Course	Dr. Özlem Sarıkaya, Dr. Sinem Yıldız, Dr.Mevhibe Hocaoğlu
<b>09:40-10:30</b>	ICS -1: Communication Skills Course	Dr. Özlem Sarıkaya, Dr. Sinem Yıldız, Dr.Mevhibe Hocaoğlu
<b>10:40-11:30</b>	ICS -1: Communication Skills Course	Dr. Özlem Sarıkaya, Dr. Sinem Yıldız, Dr.Mevhibe Hocaoğlu
<b>11:40-12:30</b>	ICS -1: Communication Skills Course	Dr. Özlem Sarıkaya, Dr. Sinem Yıldız, Dr.Mevhibe Hocaoğlu
<b>13:40-14:30</b>	ICS -1: Communication Skills Course	Dr. Özlem Sarıkaya, Dr. Sinem Yıldız, Dr.Mevhibe Hocaoğlu
<b>14:40-15:30</b>	ICS -1: Communication Skills Course	Dr. Özlem Sarıkaya, Dr. Sinem Yıldız, Dr.Mevhibe Hocaoğlu
<b>15:40-16:30</b>	Basic structure of bacterial cell and classification of bacteria	Dr. Mümtaz Güran
<b>16:40-17:30</b>	Basic structure of bacterial cell and classification of bacteria	Dr. Mümtaz Güran
<b>Thursday</b>	<b>23 February</b>	
<b>08:40-09:30</b>	Communication in Turkish – II (Gr1 & Gr2)	Inst. Nevber İstillozlu Inst. Şerife Çelebi Sökmez
<b>09:40-10:30</b>	Communication in Turkish – II (Gr1 & Gr2)	Inst. Nevber İstillozlu Inst. Şerife Çelebi Sökmez
<b>10:40-11:30</b>	Comparing risk-relative risk and Odds ratio	Dr. İlke Akçay
<b>11:40-12:30</b>	Some basic concepts for diagnosis tests	Dr. İlke Akçay
<b>13:40-14:30</b>	Introduction to immunology	Dr. Tunç Akkoç
<b>14:40-15:30</b>	Cells and organs involved in immune responses	Dr. Tunç Akkoç
<b>15:40-16:30</b>	Communication in Turkish – II (Gr1 & Gr2)	Inst. Nevber İstillozlu Inst. Şerife Çelebi Sökmez
<b>16:40-17:30</b>	Communication in Turkish – II (Gr1 & Gr2)	Inst. Nevber İstillozlu Inst. Şerife Çelebi Sökmez
<b>Friday</b>	<b>24 February</b>	
<b>08:40-09:30</b>	Communication in Turkish – II (Gr1 & Gr2)	Inst. Nevber İstillozlu Inst. Şerife Çelebi Sökmez
<b>09:40-10:30</b>	Communication in Turkish – II (Gr1 & Gr2)	Inst. Nevber İstillozlu Inst. Şerife Çelebi Sökmez
<b>10:40-11:30</b>	Bacterial metabolism	Dr. Mümtaz Güran
<b>11:40-12:30</b>	Growth of bacteria	Dr. Mümtaz Güran

<b>13:40-14:30</b>	Medical English (Gr1 & Gr2)	Sn.Inst. Ayşe Kozansoy Sn. Inst. Ayfer Cavisilli
<b>14:40-15:30</b>	Medical English (Gr1 & Gr2)	Sn.Inst. Ayşe Kozansoy Sn. Inst. Ayfer Cavisilli
<b>15:40-16:30</b>	Fertilization and implantation	Inst. Masoud Afshani
<b>16:40-17:30</b>		
<b>5th Week</b>	<b>27 February - 03 March 2017</b>	
<b>Monday</b>	<b>27 February</b>	
<b>08:40-09:30</b>	Smooth muscle	Dr. Feriha Ercan
<b>09:40-10:30</b>	Communication in Turkish – II (Gr1 & Gr2)	Inst. Nevber İstillozlu Inst. Şerife Çelebi Sökmez
<b>10:40-11:30</b>	Communication in Turkish – II (Gr1 & Gr2)	Inst. Nevber İstillozlu Inst. Şerife Çelebi Sökmez
<b>11:40-12:30</b>	Communication in Turkish – II (Gr1 & Gr2)	Inst. Nevber İstillozlu Inst. Şerife Çelebi Sökmez
<b>13:40-14:30</b>	Correlation	Dr. İlke Akçay
<b>14:40-15:30</b>	Simple Regression	Dr. İlke Akçay
<b>15:40-16:30</b>	Specialized connective tissues: Adipose tissue, blood	Dr. Feriha Ercan
<b>16:40-17:30</b>	Specialized connective tissues: Cartilage and bone	Dr. Feriha Ercan
<b>Tuesday</b>	<b>28 February</b>	
<b>08:40-09:30</b>	Physiological properties of the skeletal muscle	Dr. Alper Yıldırım
<b>09:40-10:30</b>	Functional structures of the heart and peripheral circulation	Dr. Alper Yıldırım
<b>10:40-11:30</b>	Formation of bilaminar embryo	Dr. Feriha Ercan
<b>11:40-12:30</b>	Genomic organization and rearrangement of immunoglobulin genes	Dr. Şükrü Tüzmen
<b>13:40-14:30</b>	Medical English (Gr1 & Gr2)	Sn.Inst. Ayşe Kozansoy Sn. Inst. Ayfer Cavisilli
<b>14:40-15:30</b>	Medical English (Gr1 & Gr2)	Sn.Inst. Ayşe Kozansoy Sn. Inst. Ayfer Cavisilli
<b>15:40-16:30</b>	<b>PBL Module-3</b>	
<b>16:40-17:30</b>	<b>PBL Module-3</b>	
<b>Wednesday</b>	<b>01 March</b>	
<b>08:40-09:30</b>	<b>Physiology LAB: Muscle physiology</b>	Dr. Alper Yıldırım, Dr. Hızır Kurtel
<b>09:40-10:30</b>	<b>Physiology LAB: Muscle physiology</b>	Dr. Alper Yıldırım, Dr. Hızır Kurtel
<b>10:40-11:30</b>	<b>Physiology LAB: Muscle physiology</b>	Dr. Alper Yıldırım, Dr. Hızır Kurtel
<b>11:40-12:30</b>	<b>Physiology LAB: Muscle physiology</b>	Dr. Alper Yıldırım, Dr. Hızır Kurtel
<b>13:40-14:30</b>	Medical English (Gr1 & Gr2)	Sn.Inst. Ayşe Kozansoy Sn. Inst. Ayfer Cavisilli

<b>14:40-15:30</b>	Medical English (Gr1 & Gr2)	Sn.Inst. Ayşe Kozansoy Sn. Inst. Ayfer Civisilli
<b>15:40-16:30</b>	Formation of trilaminar embryo	Dr. Feriha Ercan
<b>16:40-17:30</b>	Formation of trilaminar embryo	Dr. Feriha Ercan
<b>Thursday</b>	<b>02 March</b>	
<b>08:40-09:30</b>	Formation of basic organ systems	Dr. Feriha Ercan
<b>09:40-10:30</b>	Formation of basic organ systems	Dr. Feriha Ercan
<b>10:40-11:30</b>	<b>Histology LAB:</b> Specialized connective Tissue (Group A)	Dr. Feriha Ercan, Inst. Masoud Afshani
<b>11:40-12:30</b>	<b>Histology LAB:</b> Specialized connective Tissue (Group A)	Dr. Feriha Ercan, Inst. Masoud Afshani
<b>13:40-14:30</b>	Composition and function of blood	Dr. Alper Yıldırım
<b>14:40-15:30</b>	General principles of renal physiology	Dr. Alper Yıldırım
<b>15:40-16:30</b>	General principles of renal physiology	Dr. Alper Yıldırım
<b>16:40-17:30</b>	Regulation of body fluids and pH	Dr. Alper Yıldırım
<b>Friday</b>	<b>03 March</b>	
<b>08:40-09:30</b>	<b>Histology LAB:</b> Specialized connective Tissue (Group B)	Dr. Feriha Ercan, Inst. Masoud Afshani
<b>09:40-10:30</b>	<b>Histology LAB:</b> Specialized connective Tissue (Group B)	Dr. Feriha Ercan, Inst. Masoud Afshani
<b>10:40-11:30</b>	Extraembryonic membranes	Dr. Feriha Ercan
<b>11:40-12:30</b>	Extraembryonic membranes	Dr. Feriha Ercan
<b>13:40-14:30</b>	Histology of gastrointestinal system	Dr. Feriha Ercan
<b>14:40-15:30</b>	Histology of gastrointestinal system	Dr. Feriha Ercan
<b>15:40-16:30</b>	Functional structures of the digestive system	Dr. Alper Yıldırım
<b>16:40-17:30</b>	Functions of the respiratory system	Dr. Alper Yıldırım
<b>6th Week</b>	<b>06-10 March 2017</b>	
<b>Monday</b>	<b>06 March</b>	
<b>08:40-09:30</b>	Histology of lung, heart and vessels	Dr. Serap Şanlı Şirvancı
<b>09:40-10:30</b>	Histology of lung, heart and vessels	Dr. Serap Şanlı Şirvancı
<b>10:40-11:30</b>	Congenital malformations	Dr. Serap Şanlı Şirvancı
<b>11:40-12:30</b>	Application of bacterial genetics in industry and Microbiology	Dr. Mümtaz Güran
<b>13:40-14:30</b>	Bacterial genetics and bacteriophages	Dr. Mümtaz Güran
<b>14:40-15:30</b>	Bacterial genetics and bacteriophages	Dr. Mümtaz Güran
<b>15:40-16:30</b>	<b>Histology LAB:</b> Muscle tissue (Group A)	Dr. Serap Şanlı Şirvancı, Inst. Masoud Afshani
<b>16:40-17:30</b>	<b>Histology LAB:</b> Muscle tissue (Group A)	Dr. Serap Şanlı Şirvancı, Inst. Masoud Afshani
<b>Tuesday</b>	<b>07 March</b>	
<b>08:40-09:30</b>	Communication in Turkish – II (Gr1 & Gr2)	Inst. Nevber İstillozlu Inst. Şerife Çelebi Sökmez
<b>09:40-10:30</b>	Communication in Turkish – II (Gr1 & Gr2)	Inst. Nevber İstillozlu

		Inst. Şerife Çelebi Sökmez	
<b>10:40-11:30</b>	Communication in Turkish – II (Gr1 & Gr2)	Inst. Nevber İstillozlu Inst. Şerife Çelebi Sökmez	
<b>11:40-12:30</b>	Congenital malformations	Dr. Serap Şanlı Şirvancı	
<b>13:40-14:30</b>	<b>SEMINAR FOR THE FACULTY STUDENTS</b>		
<b>14:40-15:30</b>			
<b>15:40-16:30</b>			
<b>16:40-17:30</b>			
<b>Wednesday</b>	<b>08 March</b>		
<b>08:40-09:30</b>			
<b>09:40-10:30</b>	<b>Histology LAB:</b> Muscle tissue (Group B)	Dr. Serap Şanlı Şirvancı, Inst. Masoud Afshani	
<b>10:40-11:30</b>	<b>Histology LAB:</b> Muscle tissue (Group B)	Dr. Serap Şanlı Şirvancı, Inst. Masoud Afshani	
<b>11:40-12:30</b>	Homeostasis among organ systems: Cross talking	Dr. Saime Batirel	
<b>13:40-14:30</b>	Biochemistry of connective tissue	Dr. Saime Batirel	
<b>14:40-15:30</b>	Biochemistry of connective tissue	Dr. Saime Batirel	
<b>15:40-16:30</b>	Biochemistry of adipose tissue	Dr. Saime Batirel	
<b>16:40-17:30</b>	Biochemistry of adipose tissue	Dr. Saime Batirel	
<b>Thursday</b>	<b>09 March</b>		
<b>08:40-09:30</b>	Biochemical aspects of immunoglobulins	Dr. Önder Şirikçi	
<b>09:40-10:30</b>	Biochemical aspects of immunoglobulins	Dr. Önder Şirikçi	
<b>10:40-11:30</b>	Physiological properties of the smooth muscle	Dr. İnci Alican	
<b>11:40-12:30</b>	Normal distribution and composition of body fluids	Dr. İnci Alican	
<b>13:40-14:30</b>	Histology of spleen, thymus and lymph nodes	Dr. Serap Şanlı Şirvancı	
<b>14:40-15:30</b>	Histology of spleen, thymus and lymph nodes	Dr. Serap Şanlı Şirvancı	
<b>15:40-16:30</b>	Histology of urogenital system	Dr. Serap Şanlı Şirvancı	
<b>16:40-17:30</b>	Histology of urogenital system	Dr. Serap Şanlı Şirvancı	
<b>Friday</b>	<b>10 March</b>		
<b>08:40-09:30</b>	<b>WHITE COAT CEREMONY</b>		
<b>09:40-10:30</b>			
<b>10:40-11:30</b>			
<b>11:40-12:30</b>			
<b>13:40-14:30</b>			
<b>14:40-15:30</b>			
<b>15:40-16:30</b>			
<b>16:40-17:30</b>			
<b>7th Week</b>	<b>13-17 March 2017</b>		
<b>Monday</b>	<b>13 March</b>		
<b>08:40-09:30</b>			
<b>09:40-10:30</b>	Principles of sterilization and disinfection	Dr. Mümtaz Güran	

10:40-11:30	Principles of sterilization and disinfection	Dr. Mümtaz Güran
11:40-12:30	Smooth muscle contraction	Dr. Hülya Cabadak
13:40-14:30	Evidence-based Medicine	Dr. Mevhibe Hocaoğlu
14:40-15:30	Meta-analysis	Dr. Mevhibe Hocaoğlu
15:40-16:30	Physiology of body defense system	Dr. Hızır Kurtel
16:40-17:30	Physiology of body defense system	Dr. Hızır Kurtel
<b>Tuesday</b>	<b>14 March</b>	
08:40-09:30	<b>MEDICINE DAY PROGRAM</b>	
09:40-10:30		
10:40-11:30		
11:40-12:30		
13:40-14:30	<b>Microbiology LAB:</b> Bacterial growth and cultivation technique (Group A)	Dr. Mümtaz Güran
14:40-15:30	<b>Microbiology LAB:</b> Bacterial growth and cultivation technique (Group A)	Dr. Mümtaz Güran
15:40-16:30	<b>Microbiology LAB:</b> Bacterial growth and cultivation technique (Group B)	Dr. Mümtaz Güran
16:40-17:30	<b>Microbiology LAB:</b> Bacterial growth and cultivation technique (Group B)	Dr. Mümtaz Güran
<b>Wednesday</b>	<b>15 March</b>	
08:40-09:30	<b>Microbiology LAB:</b> Bacterial growth and cultivation technique (Group A)	Dr. Mümtaz Güran
09:40-10:30	<b>Microbiology LAB:</b> Bacterial growth and cultivation technique (Group A)	Dr. Mümtaz Güran
10:40-11:30	<b>Microbiology LAB:</b> Bacterial growth and cultivation technique (Group B)	Dr. Mümtaz Güran
11:40-12:30	<b>Microbiology LAB:</b> Bacterial growth and cultivation technique (Group B)	Dr. Mümtaz Güran
13:40-14:30	<b>ICS-1:</b> Types of variables and showing them with graphics with Excel	Dr. Sinem Yıldız, Dr.Mevhibe Hocaoğlu, Dr. İlke Akçay
14:40-15:30	<b>ICS-1:</b> Types of variables and showing them with graphics with Excel	Dr. Sinem Yıldız, Dr.Mevhibe Hocaoğlu, Dr. İlke Akçay
15:40-16:30	<b>ICS-1:</b> Types of variables and showing them with graphics with Excel	Dr. Sinem Yıldız, Dr.Mevhibe Hocaoğlu, Dr. İlke Akçay
16:40-17:30	<b>ICS-1:</b> Types of variables and showing them with graphics with Excel	Dr. Sinem Yıldız, Dr.Mevhibe Hocaoğlu, Dr. İlke Akçay
<b>Thursday</b>	<b>16 March</b>	
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	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 Cavisilli
<b>13:40-14:30</b>	Statistical packages	Dr. İlke Akçay
<b>14:40-15:30</b>	Interpretation of computer outputs	Dr. İlke Akçay
<b>15:40-16:30</b>	<b>PBL Module-4</b>	
<b>16:40-17:30</b>	<b>PBL Module-4</b>	
<b>Friday</b>	<b>17 March</b>	
<b>08:40-09:30</b>		
<b>09:40-10:30</b>	The fate of substances in the body	Dr. Betül Karademir
<b>10:40-11:30</b>	Biochemical aspect of cytokines	Dr. Betül Karademir
<b>11:40-12:30</b>	Biochemical aspect of cytokines	Dr. Betül Karademir
<b>13:40-14:30</b>	Medical English (Gr1 & Gr2)	Sn.Inst. Ayşe Kozansoy Sn. Inst. Ayfer Cavisilli
<b>14:40-15:30</b>	Medical English (Gr1 & Gr2)	Sn.Inst. Ayşe Kozansoy Sn. Inst. Ayfer Cavisilli
<b>15:40-16:30</b>	Communication in Turkish – II (Gr1 & Gr2)	Inst. Nevber İstillozlu Inst. Şerife Çelebi Sökmez
<b>16:40-17:30</b>	Communication in Turkish – II (Gr1 & Gr2)	Inst. Nevber İstillozlu Inst. Şerife Çelebi Sökmez
<b>8th Week</b>	<b>20-24 March 2017</b>	
<b>Monday</b>	<b>20 March</b>	
<b>08:40-09:30</b>	<b>PRACTICAL EXAM</b>	
<b>09:40-10:30</b>		
<b>10:40-11:30</b>		
<b>11:40-12:30</b>		
<b>13:40-14:30</b>		
<b>14:40-15:30</b>		
<b>15:40-16:30</b>		
<b>16:40-17:30</b>		
<b>Tuesday</b>	<b>21 March</b>	
<b>08:40-09:30</b>	<b>PRACTICAL EXAM</b>	
<b>09:40-10:30</b>		
<b>10:40-11:30</b>		
<b>11:40-12:30</b>		
<b>13:40-14:30</b>		
<b>14:40-15:30</b>		
<b>15:40-16:30</b>		
<b>16:40-17:30</b>		
<b>Wednesday</b>	<b>22 March</b>	
<b>08:40-09:30</b>		
<b>09:40-10:30</b>		
<b>10:40-11:30</b>		



<b>11:40-12:30</b>		
<b>13:40-14:30</b>		
<b>14:40-15:30</b>		
<b>15:40-16:30</b>		
<b>16:40-17:30</b>		
<b>Thursday</b>	<b>23 March</b>	
<b>08:40-09:30</b>		
<b>09:40-10:30</b>		
<b>10:40-11:30</b>		
<b>11:40-12:30</b>		
<b>13:40-14:30</b>		
<b>14:40-15:30</b>		
<b>15:40-16:30</b>		
<b>16:40-17:30</b>		
<b>Friday</b>	<b>24 March</b>	
<b>08:40-09:30</b>	<b>Y1C3 THEORETICAL EXAM (9:30)</b>	
<b>09:40-10:30</b>		
<b>10:40-11:30</b>		
<b>11:40-12:30</b>		
<b>13:40-14:30</b>		
<b>14:40-15:30</b>		
<b>15:40-16:30</b>		
<b>16:40-17:30</b>		