



DEVELOPMENT AND ORGANIZATION OF HUMAN BODY
YEAR 1 COURSE 3
January 15 – March 23, 2017

Coordinator of the Course 1.3 Prof., Mustafa AKKİPRİK & Assoc. Prof., Dilek AKAKIN & Assist. Prof., Ergül MUTLU ALTUNDAĞ	
Module Coordinator Assoc. Prof., Özlem SARIKAYA & Assist. Prof., H. Eren SAKALLI	Introduction to Clinician Skills (ICS) Coordinators Assoc. Prof., Pemra ÜNALAN & Assist. Prof. Dr. Bülent SEZGIN
Coordinator of Clinical Skill Lab. Assoc. Prof., Pemra ÜNALAN & Inst., Berfu Çerçi ÖNGÜN	Coordinator of ICS Res. Lab. Prof., Sibel SAKARYA & Assist. Prof., Mevhibe HOCAOĞLU
Coordinator of Multidisciplinary Students' Lab. Assoc. Prof., Betül KARADEMİR & Assist. Prof., Mümtaz GÜRAN	Coordinator of Assessment Unite Assist. Prof., Cevdet NACAR & Assist. Prof., Mümtaz GÜRAN & Assist. Prof., Mevhibe HOCAOĞLU & Assist. Prof., H. Eren SAKALLI
Vice-Chief Coordinators	
Assessment Assist. Prof., Cevdet NACAR & Assist. Prof., Mümtaz GÜRAN	Students' Affairs Assist. Prof., Can ERZİK & Assist. Prof., İlke AKÇAY
Chief Coordinator Assoc. Prof., Hasan YANANLI & Assist. Prof., Mümtaz GÜRAN	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., Hakan GÜNDÜZ

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, Assoc. Prof., Physiology
Ayfer CİVİSİLLİ, Instructor., Medical English
Ayşe KOZANSOY, Instructor., Medical English
Betül KARADEMİR, Assoc. Prof., Biochemistry
Berfu Çerçi ÖNGÜN, Inst., Anatomy
Bülent SEZGİN, Assist. Prof., Internal Medicine
Cemal GÜRKAN, Instructor., Forensic Sciences
Dilek AKAKIN, Assoc. Prof., Histology and Embryology
Duygu GENÇALP, Instructor., Biochemistry
Emine ÖZERİNÇ, Instructor., Foreign Languages and Preparatory School
Feriha ERCAN, Prof., Histology and Embryology
Ergül MUTLU ALTUNDAĞ, Assist., Prof., Biochemistry
Hızır KURTEL, Prof., Physiology
Hülya CABADAK, Assoc. Prof., Biophysics
İlke ÇETİN AKÇAY, Assist. Prof., Biostatistics
İlter GÜNEY, Assoc. Prof., Medical Genetics
İnci ALİCAN, Prof., Physiology

Masoud AFŞANI., Inst., Histology and Embryology
Mevhibe HOCAOĞLU, Assist. Prof., Public Health
Mümtaz GÜRAN, Assist. Prof., Microbiology
Nurtane KARAGİL, Instructor., Arts and Crafts
Önder ŞİRİKÇİ, Prof., Biochemistry
Özgür KASIMAY ÇAKIR, Assoc. Prof., Physiology
Özlem Tuğçe KAYA, Inst., Histology and Embryology
Özlem SARIKAYA, Prof., Medical Education
Pınar ATA, Assoc. Prof., Medical Genetics
Saim BATIREL, Assist. Prof., Biochemistry
Serap ŞİRVANCI, Prof., Histology and Embryology
Şerife Çelebi SÖNMEZ, Instructor., Turkish Language
Sinem YILDIZ İNANICI, Assist. Prof., Medical Education
Şükrü TÜZMEN, Assoc. Prof., Medical Biology
Tunç AKKOÇ, Assoc., Prof., Immunology
Ural VERİMLİ, Assist. Prof., Anatomy
Ümit ŞEHİRLİ, Prof., Anatomy
Yönter MERAY, Instructor., Parasitology

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 editörü: 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	10		8
Histology and Embryology	35	8	42
Immunology	2		2
Medical Biology	1		1
Microbiology	16	3	21
Physiology	12	2	14
Biophysics	1		1
Medical Genetics	2		2
Subtotal	94	16	110
PBL Module	8		8
ICS-1: Communication Skills	16		16
ICS-1: Computer & Student Research Activity	8		8
Medical English	14		14
Elective	14		14
Atatürk's Principles and History of Modern Turkey	4		4
Communication in Turkish I	28		28
TasL Interactive Session	11		11
TOTAL	197		213

	THEORETICAL AND PRACTICAL SESSIONS	LECTURER/TUTOR
Week -1 (15 January- 20 January 2017)		
Monday	15 January	
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	Elective Course – I MDCN181-Theoretical and Applied Forensic Sciences MDCN182 –Arts and Crafts for Medical Students MDCN184 – Laboratory Techniques in Medicine	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Duygu Gençalp
	Turkish as a Second Language (for foreign students)	Inst. Emine Özerinç Inst. Şerife Çelebi Sökmez
14:40-15:30	Elective Course – I MDCN181-Theoretical and Applied Forensic Sciences MDCN182 –Arts and Crafts for Medical Students MDCN184 – Laboratory Techniques in Medicine	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Duygu Gençalp
	Turkish as a Second Language (for foreign students)	Inst. Emine Özerinç Inst. Şerife Çelebi Sökmez
15:40-16:30	Turkish as a Second Language (for foreign students)	Inst. Emine Özerinç Inst. Şerife Çelebi Sökmez
16:40-17:30	Turkish as a Second Language (for foreign students)	Inst. Emine Özerinç Inst. Şerife Çelebi Sökmez
Tuesday	16 January	
08:40-09:30	STUDY TIME	
09:40-10:30	Introduction to the course	Dr. Ergül Mutlu Altundağ
10:40-11:30	Atatürk's Principles and History of Modern Turkey	Dr. Turgay Bülent Göktürk
11:40-12:30	Atatürk's Principles and History of Modern Turkey	Dr. Turgay Bülent Göktürk
13:40-14:30	Review of statistical inference table and introduction to nonparametric methods	Dr. İlke Çetin Akçay
14:40-15:30	Sign test, Mann-Whitney U test, Wilcoxon test (paired sample)	Dr. İlke Çetin Akçay
15:40-16:30	History and Development of Microbiology	Dr. Mümtaz Güran
16:40-17:30	Classification and structure of prokaryotic and eukaryotic organisms	Dr. Mümtaz Güran
Wednesday	17 January	

08:40-09:30	STUDY TIME	
09:40-10:30	Classification and general properties of medically important fungi	Dr. Mümtaz Güran
10:40-11:30	Chi-square test of independence	Dr. İlke Çetin Akçay
11:40-12:30	Chi-square test of homogeneity	Dr. İlke Çetin Akçay
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	18 January	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	Atatürk's Principles and History of Modern Turkey Exam	
11:40-12:30		
13:40-14:30	Medical English (Gr 1 & Gr 2)	Inst. Ayfer Cavisilli Inst. Ayşe Kozansoy
14:40-15:30	Medical English (Gr 1 & Gr 2)	Inst. Ayfer Cavisilli Inst. Ayşe Kozansoy
15:40-16:30	Basic structure of bacterial cell and classification of bacteria	Dr. Mümtaz Güran
16:40-17:30	Basic structure of bacterial cell and classification of bacteria	Dr. Mümtaz Güran
Friday	19 January	
08:40-09:30	STUDY TIME	
09:40-10:30	Classification, morphology and replication of viruses and prions	Dr. Mümtaz Güran
10:40-11:30	Classification, morphology and replication of viruses and prions	Dr. Mümtaz Güran
11:40-12:30	Introduction to musculoskeletal system	Dr. Ural Verimli
13:40-14:30	Introduction to cardiovascular system	Dr. Ural Verimli
14:40-15:30	Introduction to respiratory system	Dr. Ural Verimli
15:40-16:30	Anatomy LAB: Anatomy of respiratory and circulatory system (Group A)	Dr. Ural Verimli Dr. Berfu Çerçi Öngün
16:40-17:30	Anatomy LAB: Anatomy of respiratory and circulatory system (Group B)	Dr. Ural Verimli Dr. Berfu Çerçi Öngün
Week -2 (22 January- 26 January 2017)		
Monday	22 January	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	Medical English (Gr 1 & Gr 2)	Inst. Ayfer Cavisilli Inst. Ayşe Kozansoy
11:40-12:30	Medical English (Gr 1 & Gr 2)	Inst. Ayfer Cavisilli Inst. Ayşe Kozansoy
13:40-14:30	Elective Course – I MDCN181-Theoretical and Applied Forensic Sciences	Dr. Cemal Gürkan Inst. Nurtane Karagil

	MDCN182 –Arts and Crafts for Medical Students MDCN184 – Laboratory Techniques in Medicine	Inst. Duygu Gençalp
	Turkish as a Second Language (for foreign students)	Inst. Emine Özerinç Inst. Şerife Çelebi Sökmez
14:40-15:30	Elective Course – I MDCN181-Theoretical and Applied Forensic Sciences MDCN182 –Arts and Crafts for Medical Students MDCN184 – Laboratory Techniques in Medicine	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Duygu Gençalp
	Turkish as a Second Language (for foreign students)	Inst. Emine Özerinç Inst. Şerife Çelebi Sökmez
15:40-16:30	Turkish as a Second Language (for foreign students)	Inst. Emine Özerinç Inst. Şerife Çelebi Sökmez
16:40-17:30	Turkish as a Second Language (for foreign students)	Inst. Emine Özerinç Inst. Şerife Çelebi Sökmez
Tuesday	23 January	
08:40-09:30	STUDY TIME	
09:40-10:30	Epithelial tissue	Dr. Dilek Akakın
10:40-11:30	Epithelial tissue	Dr. Dilek Akakın
11:40-12:30	Glandular tissue	Dr. Dilek Akakın
13:40-14:30	PBL Module -1	Dr. Ergül Mutlu Altundağ Dr. Masoud Afshani Dr. İlke Çetin Akçay Inst. Yönter Meray Inst. Hüseyin Bıyıkoğlu Inst. Duygu Gençalp
14:40-15:30	PBL Module -1	
15:40-16:30	Turkish as a Second Language (TaSL) Interactive Session	Inst. Emine Özerinç
16:40-17:30	Turkish as a Second Language (TaSL) Interactive Session	Inst. Emine Özerinç
Wednesday	24 January	
08:40-09:30	Histology LAB: Epithelial tissue (Group A)	
09:40-10:30	Histology LAB: Epithelial tissue (Group A)	Dr. Dilek Akakın Dr. Masoud Afshani
10:40-11:30	Histology LAB: Epithelial tissue (Group B)	
11:40-12:30	Histology LAB: Epithelial tissue (Group B)	
13:40-14:30	Introduction to embryology: Oogenesis	Dr. Dilek Akakın
14:40-15:30	Introduction to embryology: Oogenesis	Dr. Dilek Akakın
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
Thursday	25 January	
08:40-09:30	Histology of supporting tissue: Connective tissue	Dr. Dilek Akakın
09:40-10:30	Histology of supporting tissue: Connective tissue	Dr. Dilek Akakın
10:40-11:30	Anatomy of the organs related to digestive system	Dr. Ümit Şehirli
11:40-12:30	Introduction to urogenital system	Dr. Ümit Şehirli

13:40-14:30	Anatomy LAB: Anatomy of digestive system (Group A)	Dr. Ümit Şehirli Dr. Berfu Çerçi Öngün
14:40-15:30	Anatomy LAB: Anatomy of digestive system (Group B)	Dr. Ümit Şehirli Dr. Berfu Çerçi Öngün
15:40-16:30	Anatomy LAB: Anatomy of the organs of urogenital system (Group A)	Dr. Ümit Şehirli Dr. Berfu Çerçi Öngün
16:40-17:30	Anatomy LAB: Anatomy of the organs of urogenital system (Group B)	Dr. Ümit Şehirli Dr. Berfu Çerçi Öngün
Friday	26 January	
08:40-09:30	Histology LAB: Connective tissue (Group A)	Dr. Dilek Akakin Dr. Masoud Afshani
09:40-10:30	Histology LAB: Connective tissue (Group A)	Dr. Dilek Akakin Dr. Masoud Afshani
10:40-11:30	Histology LAB: Connective tissue (Group B)	Dr. Dilek Akakin Dr. Masoud Afshani
11:40-12:30	Histology LAB: Connective tissue (Group B)	Dr. Dilek Akakin Dr. Masoud Afshani
13:40-14:30	Skeletal muscle	Dr. Dilek Akakin
14:40-15:30	Cardiac muscle	Dr. Dilek Akakin
15:40-16:30	Smooth muscle	Dr. Dilek Akakin
16:40-17:30	Embryonic induction	Dr. Dilek Akakin
29 JANUARY-09 FEBRUARY SEMESTER HOLIDAY		
Week -3 (12 February- 16 January 2018)		
Monday	12 February	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	Medical English Exam	
11:40-12:30		
13:40-14:30	Elective Course – I MDCN181-Theoretical and Applied Forensic Sciences MDCN182 –Arts and Crafts for Medical Students MDCN184 – Laboratory Techniques in Medicine	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Duygu Gençalp
	Turkish as a Second Language (for foreign students)	Inst. Emine Özerinç Inst. Şerife Çelebi Sökmez
14:40-15:30	Elective Course – I MDCN181-Theoretical and Applied Forensic Sciences MDCN182 –Arts and Crafts for Medical Students MDCN184 – Laboratory Techniques in Medicine	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Duygu Gençalp

	Turkish as a Second Language (for foreign students)	Inst. Emine Özerinç Inst. Şerife Çelebi Sökmez
15:40-16:30	Turkish as a Second Language (for foreign students)	Inst. Emine Özerinç Inst. Şerife Çelebi Sökmez
16:40-17:30	Turkish as a Second Language (for foreign students)	Inst. Emine Özerinç Inst. Şerife Çelebi Sökmez
Tuesday	13 February	
08:40-9:30	Microbiology LAB: Rules in microbiology laboratory and use of microscope (Group A)	Dr. Mümtaz Güran
09:40-10:30	Microbiology LAB: Rules in microbiology laboratory and use of microscope (Group B)	Dr. Mümtaz Güran
10:40-11:30	Microbiology LAB: Rules in microbiology laboratory and use of microscope (Group C)	Dr. Mümtaz Güran
11:40-12:30	Microbiology LAB: Rules in microbiology laboratory and use of microscope (Group D)	Dr. Mümtaz Güran
13:40-14:30	Turkish as a Second Language (TaSL) Interactive Session	Inst. Emine Özerinç
14:40-15:30	Turkish as a Second Language (TaSL) Interactive Session	Inst. Emine Özerinç
15:40-16:30	STUDY TIME Turkish as a Second Language (TaSL) Interactive Session	Inst. Emine Özerinç
16:40-17:30	STUDY TIME	
Wednesday	14 February	
08:40-09:30	Comparing risk-relative risk and Odds ratio	Dr. İlke Çetin Akçay
09:40-10:30	Some basic concepts for diagnosis tests	Dr. İlke Çetin Akçay
10:40-11:30	Physiological properties of the skeletal muscle	Dr. Alper Yıldırım
11:40-12:30	Functional structures of the heart and peripheral circulation	Dr. Alper Yıldırım
13:40-14:30	STUDY TIME Turkish as a Second Language (TaSL) Interactive Session	Inst. Emine Özerinç
14:40-15:30	STUDY TIME Turkish as a Second Language (TaSL) Interactive Session	Inst. Emine Özerinç
15:40-16:30	Classification and general properties of medically important protozoa	Dr. Mümtaz Güran
16:40-17:30	Classification and general properties of medically important helminths	Dr. Mümtaz Güran
Thursday	15 February	
08:40-09:30	Correlation	Dr. İlke Çetin Akçay
09:40-10:30	Simple Regression	Dr. İlke Çetin Akçay
10:40-11:30	Bacterial metabolism	Dr. Mümtaz Güran
11:40-12:30	Growth of bacteria	Dr. Mümtaz Güran
13:40-14:30	Bacterial genetics and bacteriophages	Dr. Mümtaz Güran
14:40-15:30	Bacterial genetics and bacteriophages	Dr. Mümtaz Güran
15:40-16:30	STUDY TIME Turkish as a Second Language (TaSL) Interactive Session	Inst. Emine Özerinç
16:40-17:30	STUDY TIME Turkish as a Second Language (TaSL) Interactive Session	Inst. Emine Özerinç

Friday	16 February	
08:40-09:30	STUDY TIME	
09:40-10:30	Introduction to immunology	Dr. Tunç Akkoç
10:40-11:30	Cells and organs involved in immune responses	Dr. Tunç Akkoç
11:40-12:30	Application of bacterial genetics in industry and Microbiology	Dr. Mümtaz Güran
13:40-14:30	Statistical packages	Dr. İlke Çetin Akçay
14:40-15:30	Interpretation of computer outputs	Dr. İlke Çetin Akçay
15:40-16:30	PBL Module-2	Dr. Ergül Mutlu Altundağ Dr. Dr. Masoud Afshani Dr. İlke Çetin Akçay
16:40-17:30	PBL Module-2	Inst. Yönter Meray Inst. Hüseyin Bıyıkoğlu Inst. Duygu Gençalp
Week -4 (19 February- 23 February 2018)		
Monday	19 February	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	Medical English (Gr 1 & Gr 2)	Inst. Ayfer Cavisilli Inst. Ayşe Kozansoy
11:40-12:30	Medical English (Gr 1 & Gr 2)	Inst. Ayfer Cavisilli Inst. Ayşe Kozansoy
13:40-14:30	Elective Course – I MDCN181-Theoretical and Applied Forensic Sciences MDCN182 –Arts and Crafts for Medical Students MDCN184 – Laboratory Techniques in Medicine	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Duygu Gençalp
	Turkish as a Second Language (for foreign students)	Inst. Emine Özerinç Inst. Şerife Çelebi Sökmez
14:40-15:30	Elective Course – I MDCN181-Theoretical and Applied Forensic Sciences MDCN182 –Arts and Crafts for Medical Students MDCN184 – Laboratory Techniques in Medicine	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Duygu Gençalp
	Turkish as a Second Language (for foreign students)	Inst. Emine Özerinç Inst. Şerife Çelebi Sökmez
15:40-16:30	Turkish as a Second Language (for foreign students)	Inst. Emine Özerinç Inst. Şerife Çelebi Sökmez
16:40-17:30	Turkish as a Second Language (for foreign students)	Inst. Emine Özerinç Inst. Şerife Çelebi Sökmez
Tuesday	20 February	
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	Genomic organization of HLA system	Dr. Pınar Ata
11:40-12:30	Developmental genetics	Dr. Ahmet İler Güney
13:40-14:30	PBL Module -3	Dr. Ergül Mutlu Altundağ Dr. Dr. Masoud Afshani Dr. İlke Çetin Akçay

14:40-15:30		Inst. Yönter Meray Inst. Hüseyin Bıyıkoğlu Inst. Duygu Gençalp
	PBL Module -3	
15:40-16:30	STUDY TIME Turkish as a Second Language (TaSL) Interactive Session	Inst. Emine Özerinç
16:40-17:30	STUDY TIME Turkish as a Second Language (TaSL) Interactive Session	Inst. Emine Özerinç
Wednesday	21 February	
08:40-09:30	ICS -1: Communication Skills Course	Dr. Bülent Sezgin Dr. Berfu Çerçi Öngün Dr. Halil Eren Sakallı Dr. Duygu Gençalp Dr. Özlem Sarıkaya Dr. Sinem Yıldız Inst. Yönter Meray
09:40-10:30	ICS -1: Communication Skills Course	
10:40-11:30	ICS -1: Communication Skills Course	
11:40-12:30	ICS -1: Communication Skills Course	
13:40-14:30	ICS -1: Communication Skills Course	Dr. Bülent Sezgin Dr. Berfu Çerçi Öngün Dr. Halil Eren Sakallı Dr. Duygu Gençalp Dr. Özlem Sarıkaya Dr. Sinem Yıldız Inst. Yönter Meray
14:40-15:30	ICS -1: Communication Skills Course	
15:40-16:30	ICS -1: Communication Skills Course	
16:40-17:30	ICS -1: Communication Skills Course	
Thursday	22 February	
08:40-09:30	ICS -1: Communication Skills Course	Dr. Bülent Sezgin Dr. Berfu Çerçi Öngün Dr. Halil Eren Sakallı Dr. Duygu Gençalp Dr. Özlem Sarıkaya Dr. Sinem Yıldız Inst. Yönter Meray
09:40-10:30	ICS -1: Communication Skills Course	
10:40-11:30	ICS -1: Communication Skills Course	
11:40-12:30	ICS -1: Communication Skills Course	
13:40-14:30	ICS -1: Communication Skills Course	Dr. Bülent Sezgin Dr. Berfu Çerçi Öngün Dr. Halil Eren Sakallı Dr. Duygu Gençalp Dr. Özlem Sarıkaya Dr. Sinem Yıldız Inst. Yönter Meray
14:40-15:30	ICS -1: Communication Skills Course	
15:40-16:30	ICS -1: Communication Skills Course	
16:40-17:30	ICS -1: Communication Skills Course	
Friday	23 February	
08:40-09:30	Y2C3 THEORETICAL EXAM	
09:40-10:30		
10:40-11:30		
11:40-12:30		
13:40-14:30	STUDY TIME	
14:40-15:30	STUDY TIME	

15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
Week -5 (26 February- 2March 2018)		
Monday	26 February	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	Medical English (Gr 1 & Gr 2)	Inst. Ayfer Cıvisilli Inst. Ayşe Kozansoy
11:40-12:30	Medical English (Gr 1 & Gr 2)	Inst. Ayfer Cıvisilli Inst. Ayşe Kozansoy
13:40-14:30	Elective Course – I MDCN181-Theoretical and Applied Forensic Sciences MDCN182 –Arts and Crafts for Medical Students MDCN184 – Laboratory Techniques in Medicine	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Duygu Gençalp
	Turkish as a Second Language (for foreign students)	Inst. Emine Özerinç Inst. Şerife Çelebi Sökmez
14:40-15:30	Elective Course – I MDCN181-Theoretical and Applied Forensic Sciences MDCN182 –Arts and Crafts for Medical Students MDCN184 – Laboratory Techniques in Medicine	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Duygu Gençalp
	Turkish as a Second Language (for foreign students)	Inst. Emine Özerinç Inst. Şerife Çelebi Sökmez
15:40-16:30	Turkish as a Second Language (for foreign students)	Inst. Emine Özerinç Inst. Şerife Çelebi Sökmez
16:40-17:30	Turkish as a Second Language (for foreign students)	Inst. Emine Özerinç Inst. Şerife Çelebi Sökmez
Tuesday	27 February	
08:40-09:30	Functional structures of the digestive system	Dr. Alper Yıldırım
09:40-10:30	Functions of the respiratory system	Dr. Alper Yıldırım
10:40-11:30	Microbiology LAB: Bacterial growth and cultivation technique (Group A)	Dr. Mümtaz Güran
11:40-12:30	Microbiology LAB: Bacterial growth and cultivation technique (Group A)	Dr. Mümtaz Güran
13:40-14:30	Microbiology LAB: Bacterial growth and cultivation technique (Group B)	Dr. Mümtaz Güran
14:40-15:30	Microbiology LAB: Bacterial growth and cultivation technique (Group B)	Dr. Mümtaz Güran
15:40-16:30	Microbiology LAB: Bacterial growth and cultivation technique (Group C)	Dr. Mümtaz Güran
16:40-17:30	Microbiology LAB: Bacterial growth and cultivation technique (Group C)	Dr. Mümtaz Güran
Wednesday	28 February	
08:40-09:30	Composition and function of blood	Dr. Özgür Kasımay Çakır
09:40-10:30	Regulation of body fluids and pH	Dr. Özgür Kasımay Çakır
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 Dr. Alper Yıldırım

13:40-14:30	Physiology LAB: Muscle physiology	Dr. Özgür Kasımay Çakır Dr. Alper Yıldırım
14:40-15:30	Physiology LAB: Muscle physiology	Dr. Özgür Kasımay Çakır Dr. Alper Yıldırım
15:40-16:30	PBL Module-4	Dr. Ergül Mutlu Altundağ Dr. Dr. Masoud Afshani Dr. İlke Çetin Akçay
16:40-17:30		Inst. Yönter Meray Inst. Hüseyin Bıyıkoğlu Inst. Duygu Gençalp
Thursday	01 March	
08:40-09:30	General principles of renal physiology	Dr. Özgür Kasımay Çakır
09:40-10:30	General principles of renal physiology	Dr. Özgür Kasımay Çakır
10:40-11:30	Introduction to embryology: Spermatogenesis	Dr. Feriha Ercan
11:40-12:30	Introduction to embryology: Spermatogenesis	Dr. Feriha Ercan
13:40-14:30	Fertilization and implantation	Dr. Feriha Ercan
14:40-15:30	Fertilization and implantation	Dr. Feriha Ercan
15:40-16:30	Communication Skills Course Written Exam	
16:40-17:30	Formation of bilaminar embryo	Dr. Feriha Ercan
Friday	02 March	
08:40-09:30	ICS-1-Comp&SRA:Types of variables and showing them with graphics (EXCEL)	Dr. Mevhibe Hocaoğlu Dr. İlke Çetin Akçay
09:40-10:30	ICS-1-Comp&SRA:Types of variables and showing them with graphics (EXCEL)	Dr. Mevhibe Hocaoğlu Dr. İlke Çetin Akçay
10:40-11:30	Free study time for Comp&SRA	Dr. Mevhibe Hocaoğlu Dr. İlke Çetin Akçay
11:40-12:30	Free study time for Comp&SRA	Dr. Mevhibe Hocaoğlu Dr. İlke Çetin Akçay
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	Specialized connective tissues: Adipose tissue, blood	Dr. Feriha Ercan
16:40-17:30	Specialized connective tissues: Adipose tissue, blood	Dr. Feriha Ercan
Week -6 (5 March- 9 March 2018)		
Monday	05 March	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	Medical English (Gr 1 & Gr 2)	Inst. Ayfer Cavisilli Inst. Ayşe Kozansoy
11:40-12:30	Medical English (Gr 1 & Gr 2)	Inst. Ayfer Cavisilli Inst. Ayşe Kozansoy

13:40-14:30	Elective Course – I MDCN181-Theoretical and Applied Forensic Sciences MDCN182 –Arts and Crafts for Medical Students MDCN184 – Laboratory Techniques in Medicine	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Duygu Gençalp
	Turkish as a Second Language (for foreign students)	Inst. Emine Özerinç Inst. Şerife Çelebi Sökmez
14:40-15:30	Elective Course – I MDCN181-Theoretical and Applied Forensic Sciences MDCN182 –Arts and Crafts for Medical Students MDCN184 – Laboratory Techniques in Medicine	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Duygu Gençalp
	Turkish as a Second Language (for foreign students)	Inst. Emine Özerinç Inst. Şerife Çelebi Sökmez
15:40-16:30	Turkish as a Second Language (for foreign students)	Inst. Emine Özerinç Inst. Şerife Çelebi Sökmez
16:40-17:30	Turkish as a Second Language (for foreign students)	Inst. Emine Özerinç Inst. Şerife Çelebi Sökmez
Tuesday	06 March	
08:40-09:30	Smooth muscle contraction	Dr. Hülya Cabadak
09:40-10:30	Homeostasis among organ systems: Cross talking	Dr. Saime Batirel
10:40-11:30	Biochemistry of connective tissue	Dr. Saime Batirel
11:40-12:30	Biochemistry of connective tissue	Dr. Saime Batirel
13:40-14:30	Biochemistry of adipose tissue	Dr. Saime Batirel
14:40-15:30	Biochemistry of adipose tissue	Dr. Saime Batirel
15:40-16:30	Formation of basic organ systems	Dr. Serap Şirvancı
16:40-17:30	Formation of basic organ systems	Dr. Serap Şirvancı
Wednesday	07 March	
08:40-09:30	Histology LAB: Specialized connective Tissue (Group A)	Dr. Serap Şirvancı Dr. Masoud Afshani
09:40-10:30	Histology LAB: Specialized connective Tissue (Group A)	Dr. Serap Şirvancı Dr. Masoud Afshani
10:40-11:30	Histology LAB: Muscle tissue (Group A)	Dr. Serap Şirvancı Dr. Masoud Afshani
11:40-12:30	Histology LAB: Muscle tissue (Group A)	Dr. Serap Şirvancı Dr. Masoud Afshani
13:40-14:30	Introduction to lung, heart and vessels	Dr. Serap Şirvancı
14:40-15:30	Introduction to lung, heart and vessels	Dr. Serap Şirvancı
15:40-16:30	Introduction to gastrointestinal system	Dr. Serap Şirvancı
16:40-17:30	Introduction to gastrointestinal system	Dr. Serap Şirvancı
Thursday	08 March	
08:40-09:30	Histology LAB: Specialized connective Tissue (Group B)	Dr. Serap Şirvancı Dr. Masoud Afshani
09:40-10:30	Histology LAB: Specialized connective Tissue (Group B)	Dr. Serap Şirvancı Dr. Masoud Afshani

10:40-11:30	Histology LAB: Muscle tissue (Group B)	Dr. Serap Şirvancı Dr. Masoud Afshani
11:40-12:30	Histology LAB: Muscle tissue (Group B)	Dr. Serap Şirvancı Dr. Masoud Afshani
13:40-14:30	Introduction to spleen, thymus and lymph nodes	Dr. Serap Şirvancı
14:40-15:30	Introduction to spleen, thymus and lymph nodes	Dr. Serap Şirvancı
15:40-16:30	Introduction to urogenital system	Dr. Serap Şirvancı
16:40-17:30	Introduction to urogenital system	Dr. Serap Şirvancı
Friday	09 March	
08:40-09:30	Y3C3 THEORETICAL EXAM	
09:40-10:30		
10:40-11:30		
11:40-12:30		
13:40-14:30	ICS-1-Comp&SRA:SPSS&Data input and analysis	Dr. Mevhibe Hocaoğlu Dr. İlke Çetin Akçay
14:40-15:30	ICS-1-Comp&SRA:SPSS&Data input and analysis	Dr. Mevhibe Hocaoğlu Dr. İlke Çetin Akçay
15:40-16:30	ICS-1-Comp&SRA:SPSS&Data input and analysis	Dr. Mevhibe Hocaoğlu Dr. İlke Çetin Akçay
16:40-17:30	ICS-1-Comp&SRA:SPSS&Data input and analysis	Dr. Mevhibe Hocaoğlu Dr. İlke Çetin Akçay
Week -7 (12 March- 16 March 2018)		
Monday	12 March	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	Medical English (Gr 1 & Gr 2)	Inst. Ayfer Cavisilli Inst. Ayşe Kozansoy
11:40-12:30	Medical English (Gr 1 & Gr 2)	Inst. Ayfer Cavisilli Inst. Ayşe Kozansoy
13:40-14:30	Elective Course – I MDCN181-Theoretical and Applied Forensic Sciences MDCN182 –Arts and Crafts for Medical Students MDCN184 – Laboratory Techniques in Medicine	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Duygu Gençalp
	Turkish as a Second Language (for foreign students)	Inst. Emine Özerinç Inst. Şerife Çelebi Sökmez
14:40-15:30	Elective Course – I MDCN181-Theoretical and Applied Forensic Sciences MDCN182 –Arts and Crafts for Medical Students MDCN184 – Laboratory Techniques in Medicine	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Duygu Gençalp
	Turkish as a Second Language (for foreign students)	Inst. Emine Özerinç Inst. Şerife Çelebi Sökmez
15:40-16:30	Turkish as a Second Language (for foreign students)	Inst. Emine Özerinç Inst. Şerife Çelebi Sökmez
16:40-17:30	Turkish as a Second Language (for foreign students)	Inst. Emine Özerinç Inst. Şerife Çelebi Sökmez
Tuesday	13 March	
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	
Wednesday	14 March	
08:40-09:30	14 MARCH MEDICINE DAY and WHITE COAT CEREMONY	
09:40-10:30		
10:40-11:30		
11:40-12:30		
13:40-14:30		
14:40-15:30		
15:40-16:30		
16:40-17:30		
Thursday	15 March	
08:40-09:30	Extraembryonic membranes	Dr. Özlem Tuğçe Kaya
09:40-10:30	Extraembryonic membranes	Dr. Özlem Tuğçe Kaya
10:40-11:30	Physiological properties of the smooth muscle	Dr. İnci Alican
11:40-12:30	Normal distribution and composition of body fluids	Dr. İnci Alican
13:40-14:30	Physiology of body defense system	Dr. Hızır Kurtel
14:40-15:30	Physiology of body defense system	Dr. Hızır Kurtel
15:40-16:30	Biochemical aspects of immunoglobulins	Dr. Önder Şirikçi
16:40-17:30	Biochemical aspects of immunoglobulins	Dr. Önder Şirikçi
Friday	16 March	
08:40-09:30	Fetal period	Dr. Özlem Tuğçe Kaya
09:40-10:30	Congenital malformations	Dr. Özlem Tuğçe Kaya
10:40-11:30	Congenital malformations	Dr. Özlem Tuğçe Kaya
11:40-12:30	STUDY TIME	
13:40-14:30	Genomic organization and rearrangement of immunoglobulin genes	Dr. Şükrü Tüzmen
14:40-15:30	The fate of substances in the body	Dr. Betül Karademir
15:40-16:30	Biochemical aspect of cytokines	Dr. Betül Karademir
16:40-17:30	Biochemical aspect of cytokines	Dr. Betül Karademir
Week -8 (19 March- 23 March 2018)		
Monday	19 March	
08:40-09:30	PRACTICAL EXAM	
09:40-10:30		
10:40-11:30		
11:40-12:30		
13:40-14:30		
14:40-15:30		
15:40-16:30		

16:40-17:30		
Tuesday	20 March	
08:40-09:30	PRACTICAL EXAM	
09:40-10:30		
10:40-11:30		
11:40-12:30		
13:40-14:30		
14:40-15:30		
15:40-16:30		
16:40-17:30		
Wednesday	21 March	
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	22 March	
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	23 March	
08:40-09:30	Y1C3 THEORETICAL EXAM	
09:40-10:30		
10:40-11:30		
11:40-12:30		
13:40-14:30		
14:40-15:30		
15:40-16:30		
16:40-17:30		