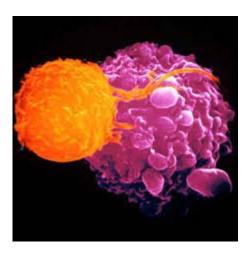


MARMARA UNIVERSITY – EASTERN MEDITERRANEAN UNIVERSITY INTERNATIONAL MEDICAL SCHOOL





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

Coordinator of t	he Course 1.3	
Prof., Mustafa AKKİPRİK & Assoc. Prof., Dilek AKAKIN & Assist. Prof., Ergül MUTLU ALTUNDAĞ		
Module Coordinator	Introduction to Clinician Skills (ICS) Coordinators	
Assoc. Prof., Özlem SARIKAYA & Assist. Prof., H. Eren SAKALLI	Assoc. Prof., Pemra ÜNALAN & Assist. Prof. Dr. Bülent SEZGIN	
Coordinator of Clinical Skill Lab.	Coordinator of ICS Res. Lab.	
Assoc. Prof., Pemra ÜNALAN & Inst., Berfu Çerçi ÖNGÜN	Prof., Sibel SAKARYA & Assist. Prof., Mevhibe HOCAOĞLU	
Coordinator of Multidiciplinary Students' Lab. Cooordinator of Assessment Unite		
Assoc. Prof., Betül KARADEMİR & Assist. Prof., Mümtaz GÜRAN	Assist. Prof., Cevdet NACAR & Assist. Prof., Mümtaz GÜRAN & Assist. Prof., Mevhibe HOCAOĞLU & Assist. Prof., H. Eren SAKALLI	
Vice-Chief Co	oordinators	
Assessment	Students' Affairs	
Assist. Prof., Cevdet NACAR & Assist. Prof., Mümtaz GÜRAN	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)	Dean (MU)	
Prof., Nahide GÖKÇORA	Prof., Hakan GÜNDÜZ	

LEARNING OUTOMES / 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 CiVİSİLLİ, 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 ilke ÇETİN AKÇAY, Assist. Prof., Biostatistics ilter GÜNEY, Assoc. Prof., Medical Genetics

inci ALiCAN, Prof., Physiology

Masoud AFSHANİ., Inst., Histology and Embryology Mevhibe HOCAOĞLU, Assist. Prof., Public Health Mümtaz GÜRAN, Assist. Prof., Microbiology Nevber İstillozlu, Inst., Turkish Language 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 Pinar ATA, Assoc. Prof., Medical Genetics Saime 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 VERIMLI, 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 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	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
Communication in Turkish I (IUMS)	12		12
TasL Interactive Session	11		11
TOTAL	209		225

	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 Turkish as a Second Language (for foreign students)	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Duygu Gençalp 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 Turkish as a Second Language (for foreign students)	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Duygu Gençalp 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 Sign test, Mann-Whitney U test, Wilcoxon test (paired	Dr. İlke Çetin Akçay
14:40-15:30	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	
00.40-03.30	JIODI IIIVIE	1

00:40 40:30	Classification and general properties of medically	Du Münster Cünen
09:40-10:30	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 Mo	odern Turkey Exam
11:40-12:30		
		Inst. Ayfer Civisilli
13:40-14:30	Medical English (Gr 1 & Gr 2)	Inst. Ayşe Kozansoy
		Inst. Ayfer Civisilli
14:40-15:30	Medical English (Gr 1 & Gr 2)	Inst. Ayşe Kozansoy
	Basic structure of bacterial cell and classification of	
15:40-16-30	bacteria	Dr. Mümtaz Güran
	Basic structure of bacterial cell and classification of	
16:40-17:30	bacteria	Dr. Mümtaz Güran
	40.1	
Friday	19 January	
08:40-09:30	STUDY TIME	
	Classification, morphology and replication of viruses	
09:40-10:30	and prions	Dr. Mümtaz Güran
40:40 44:30	Classification, morphology and replication of viruses	Du Münster Cünen
10:40-11:30	and prions	Dr. Mümtaz Güran
11:40-12:30	Introduction to musculoskeletal system	Dr. Ural Verimli
12:40 14:20	Lating directions to condition according protection	Du Had Venineli
13:40-14:30	Introduction to cardiovascular system	Dr. Ural Verimli
14:40-15:30	Introduction to respiratory system Anatomy LAB: Anatomy of respiratory and circulatory	Dr. Ural Verimli Dr. Ural Verimli
15:40-16-30	system (Group A)	Dr. Berfu Çerçi Öngün
16:40-17:30	Anatomy LAB: Anatomy of respiratory and circulatory	Dr. Ural Verimli
10.40-17.50	system (Group B)	Dr. Berfu Çerçi Öngün
	System (Group 5)	Bit Betta gergi ettgan
	Week -2 (22 January- 26 January 2017	2)
Monday	22 January	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	0.000	Inst. Ayfer Civisilli
	Medical English (Gr 1 & Gr 2)	Inst. Ayşe Kozansoy
11:40-12:30	, , , , ,	Inst. Ayfer Civisilli
	Medical English (Gr 1 & Gr 2)	Inst. Ayşe Kozansoy
		,
	Elective Course – I	
12.40 44:22	MDCN181-Theoretical and Applied Forensic Sciences	Dr. Cemal Gürkan
13:40-14:30	MDCN182 –Arts and Crafts for Medical Students	Inst. Nurtane Karagil
	MDCN184 – Laboratory Techniques in Medicine	Inst. Duygu Gençalp

		last Fasias Össains
	Toolish as a Consultant survey (for foreign students)	Inst. Emine Özerinç
	Turkish as a Second Language (for foreign students)	Inst. Şerife Çelebi Sökmez
	51 6	
	Elective Course – I	Dr. Cemal Gürkan
	MDCN181-Theoretical and Applied Forensic Sciences	Inst. Nurtane Karagil
	MDCN182 –Arts and Crafts for Medical Students	Inst. Duygu Gençalp
14:40-15:30	MDCN184 – Laboratory Techniques in Medicine	
		Inst. Emine Özerinç
	Turkish as a Second Language (for foreign students)	Inst. Şerife Çelebi Sökmez
15:40-16-30		Inst. Emine Özerinç
	Turkish as a Second Language (for foreign students)	Inst. Şerife Çelebi Sökmez
16:40-17:30		Inst. Emine Özerinç
	Turkish as a Second Language (for foreign students)	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. Frank Martin Altropolo
		Dr. Ergül Mutlu Altundağ
		Dr. Masoud Afshani
		Dr. İlke Çetin Akçay
14:40-15:30		Dr. Mümtaz Güran
	PBL Module -1	Inst. Hüseyin Bıyıkoğlu
		Inst. Duygu Gençalp
15:40-16:30	Turkish as a Second Language (TaSL) Interactive	Inst. Emine Özerinç
	Session	
16:40-17:30	Turkish as a Second Language (TaSL) Interactive	Inst. Emine Özerinç
	Session	
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
10:40-11:30	Histology LAB: Epithelial tissue (Group B)	Dr. Masoud Afshani
11:40-12:30	Histology LAB: Epithelial tissue (Group B)	
13:40-14:30		Dr. Dilek Akakın
	Introduction to embryology: Oogenesis	
14:40-15:30		Dr. Dilek Akakın
	Introduction to embryology: Oogenesis	
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	Dr. Ümit Şehirli
	system (Group A)	Dr. Berfu Çerçi Öngün
16:40-17:30	Anatomy LAB: Anatomy of the organs of urogenital	Dr. Ümit Şehirli
	system (Group B)	Dr. Berfu Çerçi Öngün
Friday	26 January	
08:40-09:30		Dr. Dilek Akakın
		Dr. Masoud Afshani
	Histology LAB: Connective tissue (Group A)	
09:40-10:30		Dr. Dilek Akakın
		Dr. Masoud Afshani
	Histology LAB: Connective tissue (Group A)	
10:40-11:30		Dr. Dilek Akakın
		Dr. Masoud Afshani
	Histology LAB: Connective tissue (Group B)	
11:40-12:30		Dr. Dilek Akakın
		Dr. Masoud Afshani
	Histology LAB: Connective tissue (Group B)	
13:40-14:30	Skeletal muscle	Dr. Dilek Akakın
14:40-15:30	Cardiac muscle	Dr. Dilek Akakın
15:40-16-30	Smooth muscle	Dr. Dilek Akakın
16:40-17:30	Embryonic induction	Dr. Dilek Akakın

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		
11:40-12:30	Medical English Exam	
	Elective Course – I	
	MDCN181-Theoretical and Applied Forensic Sciences	Dr. Cemal Gürkan
13:40-14:30	MDCN182 –Arts and Crafts for Medical Students	Inst. Nurtane Karagil
13.40-14.30	MDCN184 – Laboratory Techniques in Medicine	Inst. Duygu Gençalp
		Inst. Emine Özerinç
	Turkish as a Second Language (for foreign students)	Inst. Şerife Çelebi Sökmez
	Elective Course – I	
	MDCN181-Theoretical and Applied Forensic Sciences	Dr. Cemal Gürkan
44.40.45.20	MDCN182 –Arts and Crafts for Medical Students	Inst. Nurtane Karagil
14:40-15:30	MDCN184 – Laboratory Techniques in Medicine	Inst. Duygu Gençalp
		Inst. Emine Özerinç
	Turkish as a Second Language (for foreign students)	Inst. Şerife Çelebi Sökmez

16:40-17:30	Turkish as a Second Language (for foreign students)	Inst. Şerife Çelebi Sökmez Inst. Emine Özerinç
	Turkish as a Second Language (for foreign students)	Inst. Şerife Çelebi Sökmez
Tuesday	12 Fohrmon.	
Tuesday 08:40-9:30	13 February Microbiology LAB: Rules in microbiology laboratory	
08.40-9.50	and use of microscope (Group A)	Dr. Mümtaz Güran
	and use of microscope (Group A)	Dr. Warntaz Garan
	Microbiology LAB: Rules in microbiology laboratory	Dr. Mümtaz Güran
09:40-10:30	and use of microscope (Group B)	
	Microbiology LAB: Rules in microbiology laboratory	
10:40-11:30	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	= .
44.40.47.33	Session Tablish as a Consult to account (T=CL) between time	Inst. Emine Özerinç
14:40-15:30	Turkish as a Second Language (TaSL) Interactive	Inst Emina Özərinə
15:40-16-30	Session Turkich as a Second Language (TaSL) Interactive	Inst. Emine Özerinç
13:40-10-30	Turkish as a Second Language (TaSL) Interactive Session	Inst. Emine Özerinç
16:40-17:30	STUDY TIME	mac cinine Ozering
_00 17.00	STODI IIIVIL	
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
	Functional structures of the heart and peripheral	
11:40-12:30	circulation	Dr. Alper Yıldırım
13:40-14:30	Turkish as a Second Language (TaSL) Interactive	
15:40-14:50	Session	Inst. Emine Özerinç
14:40-15:30	Turkish as a Second Language (TaSL) Interactive	
	Session	Inst. Emine Özerinç
15:40-16-30	Classification and general properties of medically	Da Müneter Cün
16:40 17:20	important protozoa	Dr. Mümtaz Güran
16:40-17:30	Classification and general properties of medically important helminths	Dr. Mümtaz Güran
	important neimintiis	Dr. Wumtaz Guran
Thursday	15 February	
08:40-09:30	Correlation	Dr. İlke Çetin Akçay
09:40-10:30	Simple Regression	Dr. ilke 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	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

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	Turkish as a Second Language (TaSL) Interactive	
15:40-14:50	Turkish as a Second Language (TaSL) Interactive Session	Inst. Emine Özerinç
14:40-15:30	Turkish as a Second Language (TaSL) Interactive	mst. Emme Ozermy
	Session	Inst. Emine Özerinç
		Dr. Ergül Mutlu Altundağ
15:40-16-30	PBL Module-2	Dr. Masoud Afshani
		Dr. İlke Çetin Akçay
16:40-17:30		Dr. Mümtaz Güran
	PBL Module-2	Inst. Hüseyin Bıyıkoğlu
		Inst. Duygu Gençalp
	Week -4 (19 February- 23 February 20	018)
Monday	19 February	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30		Inst. Ayfer Civisilli
	Medical English (Gr 1 & Gr 2)	Inst. Ayşe Kozansoy
11:40-12:30	14 15 15 16 (0.40.00)	Inst. Ayfer Civisilli
	Medical English (Gr 1 & Gr 2)	Inst. Ayşe Kozansoy
		Inst. Emine Özerinç
13:40-14:30	Turkish as a Second Language (for foreign students)	Inst. Şerife Çelebi Sökmez
14:40-15:30	Turkish as a Second Language (for foreign students)	Inst. Emine Özerinç Inst. Şerife Çelebi Sökmez
15:40-16-30		Inst. Emine Özerinç
	Turkish as a Second Language (for foreign students)	Inst. Şerife Çelebi Sökmez
16:40-17:30		Inst. Emine Özerinç
	Turkish as a Second Language (for foreign students)	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. Pinar Ata
11:40-12:30	Developmental genetics	Dr. Ahmet İlter Güney
13:40-14:30	PBL Module -3	Dr. Ergül Mutlu Altundağ — Dr. Dr. Masoud Afshani
14:40-15:30		Dr. İlke Çetin Akçay Dr. Mümtaz Güran
	DDI Markula 2	Inst. Hüseyin Bıyıkoğlu
15.40.10.20	PBL Module -3	Inst. Duygu Gençalp
15:40-16-30	Statistical packages	Dr. İlke Çetin Akçay
16:40-17:30	Interpretation of computer outputs	Dr. İlke Çetin Akçay
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Wednesday	21 February	
08:40-09:30	ZI Febluary	
08.40-09.50	ICS -1: Communication Skills Course	Dr. Bülent Sezgin
09:40-10:30	ics -1. Communication skins course	Dr. Berfu Çerçi Öngün
09:40-10:30		Dr. Halil Eren Sakallı
	ICS -1: Communication Skills Course	Dr. Umut Altunç
10:40-11:30	100 4 0	Dr. Özlem Sarıkaya
	ICS -1: Communication Skills Course	Dr. Sinem Yıldız
11:40-12:30	ICS -1: Communication Skills Course	Inst. Mahmut Kunter
13:40-14:30	ICS -1: Communication Skills Course	Dr. Bülent Sezgin
14:40-15:30	ICS -1: Communication Skills Course	Dr. Berfu Çerçi Öngün
		Dr. Halil Eren Sakallı
15:40-16-30		Dr. Umut Altunç
	ICS -1: Communication Skills Course	Dr. Özlem Sarıkaya
16:40-17:30		Dr. Sinem Yıldız
10.40-17.30	ICS -1: Communication Skills Course	Inst. Mahmut Kunter
Thursday	22 February	
08:40-09:30	ICS -1: Communication Skills Course	Dr. Bülent Sezgin
09:40-10:30	1. Communication skins course	Dr. Berfu Çerçi Öngün
05.40-10.50	ICC 1. Communication Chille Course	Dr. Halil Eren Sakallı
10 10 11 00	ICS -1: Communication Skills Course	Dr. Umut Altunç
10:40-11:30	ICS -1: Communication Skills Course	Dr. Özlem Sarıkaya
11:40-12:30		Dr. Sinem Yıldız
	ICS 1. Communication Skills Course	
	ICS -1: Communication Skills Course	Inst. Mahmut Kunter
10.10.11.00	100 1 0 1 11 0 111 0	2 2"1
13:40-14:30	ICS -1: Communication Skills Course	Dr. Bülent Sezgin
		Dr. Berfu Çerçi Öngün
14:40-15:30	ICS -1: Communication Skills Course	Dr. Halil Eren Sakallı
		Dr. Umut Altunç
15:40-16-30	ICS -1: Communication Skills Course	Dr. Özlem Sarıkaya
		Dr. Sinem Yıldız
16:40-17:30		Inst. Mahmut Kunter
	ICS -1: Communication Skills Course	
Friday	23 February	
08:40-09:30		
09:40-10:30	Y2C3 THEORETICA	AL EXAM
10:40-11:30	12C3 THEORETICA	AL LAMIVI
11:40-12:30		
13:40-14:30		Dr. İlke Çetin Akçay
	ICS-1-Comp&SRA:Types of variables and showing	Dr. Özge Cumaoğulları
	them with graphics (EXCEL)	- 0
14:40-15:30		Dr. İlke Çetin Akçay
14.40 15.50	ICS-1-Comp&SRA:Types of variables and showing	Dr. Özge Cumaoğulları
	them with graphics (EXCEL)	Dr. Ozge Cumaogunam
	mem with graphics (EVCET)	Dr. ilko Cotin Alconi
15.40 46 33		Dr. İlke Çetin Akçay
15:40-16-30	From the desired for Co. CCDA	Dr. Özge Cumaoğulları
	Free study time for Comp&SRA	- :
16:40-17:30		Dr. İlke Çetin Akçay
		Dr. Özge Cumaoğulları
	Free study time for Comp&SRA	

	Week -5 (26 February- 2March 2018	<u> </u>
8.0 l		
Monday	26 February	
08:40-09:30	Turkish as a Second Language (for IUMS students)	Inst. Şerife Çelebi Sökmez
09:40-10:30	Turkish as a Second Language (for IUMS students)	Inst. Şerife Çelebi Sökmez
10:40-11:30	14 15 15 16 10 0 0	Inst. Ayfer Civisilli
44 40 42 20	Medical English (Gr 1 & Gr 2)	Inst. Ayşe Kozansoy
11:40-12:30	Madical Fundials (Cu. 4, 0, Cu. 2)	Inst. Ayfer Civisilli
	Medical English (Gr 1 & Gr 2)	Inst. Ayşe Kozansoy
	Elective Course – I	
	MDCN181-Theoretical and Applied Forensic Sciences	Dr. Cemal Gürkan
	MDCN182 –Arts and Crafts for Medical Students	Inst. Nurtane Karagil
13:40-14:30	MDCN184 – Laboratory Techniques in Medicine	Inst. Duygu Gençalp
		Inst. Emine Özerinç
	Turkish as a Second Language (for foreign students)	Inst. Şerife Çelebi Sökmez
	Elective Course – I	
	MDCN181-Theoretical and Applied Forensic Sciences	Dr. Cemal Gürkan
14:40-15:30	MDCN182 –Arts and Crafts for Medical Students	Inst. Nurtane Karagil
14:40-15:30	MDCN184 – Laboratory Techniques in Medicine	Inst. Duygu Gençalp
		Inst. Emine Özerinç
	Turkish as a Second Language (for foreign students)	Inst. Şerife Çelebi Sökmez
15:40-16-30	Turkish as a Second Language (for foreign students)	Inst. Emine Özerinç
	Turkish as a Second Language (for IUMS students)	Inst. Şerife Çelebi Sökmez
		Inst. Nevber İstillozlu
16:40-17:30	Turkish as a Second Language (for foreign students)	Inst. Emine Özerinç
	Turkish as a Second Language (for IUMS students)	Inst. Şerife Çelebi Sökmez
		Inst. Nevber İstillozlu
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	5
	technique (Group A)	Dr. Mümtaz Güran
13:40-14:30	Microbiology LAB: Bacterial growth and cultivation	
13.40-14.50	technique (Group B)	Dr. Mümtaz Güran
14:40-15:30	Microbiology LAB: Bacterial growth and cultivation	
±-770 ·13.30	technique (Group B)	Dr. Mümtaz Güran
15:40-16-30	commique (Group 3)	Dr. Ergül Mutlu Altundağ
	PBL Module -4	Dr. Dr. Masoud Afshani
		Dr. İlke Çetin Akçay
16:40-17:30		Dr. Mümtaz Güran
	PBL Module -4	Inst. Hüseyin Bıyıkoğlu
		Inst. Duygu Gençalp
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		Dr. Özgür Kasımay Çakır
	Physiology LAB: Muscle physiology	Dr. Alper Yıldırım
11:40-12:30		Dr. Özgür Kasımay Çakır
	Physiology LAB: Muscle physiology	Dr. Alper Yıldırım

13:40-14:30	Physiology LAB: Muscle physiology	Dr. Özgür Kasımay Çakır Dr. Alper Yıldırım
14:40-15:30	Physiology I API Mussle physiology	Dr. Özgür Kasımay Çakır Dr. Alper Yıldırım
15:40-16-30	Physiology LAB: Muscle physiology	Dr. Alper Ylldirim
	Microbiology LAB: Bacterial growth and cultivation technique (Group A)	Dr. Mümtaz Güran
16:40-17:30	Microbiology LAB: Bacterial growth and cultivation technique (Group B)	Dr. Mümtaz Güran
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
	. <u>.</u>	
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	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	STUDY TIME	
11:40-12:30	STUDY TIME	
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	Turkish as a Second Language (for IUMS students)	Inst. Şerife Çelebi Sökmez
09:40-10:30	Turkish as a Second Language (for IUMS students)	Inst. Şerife Çelebi Sökmez
10:40-11:30	,	Inst. Ayfer Civisilli
	Medical English (Gr 1 & Gr 2)	Inst. Ayşe Kozansoy
11:40-12:30		Inst. Ayfer Civisilli
	Medical English (Gr 1 & Gr 2)	Inst. Ayşe Kozansoy
13:40-14:30	Turkish as a Second Language (for foreign students)	Inst. Emine Özerinç Inst. Şerife Çelebi Sökmez

14:40-15:30	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
	Turkish as a Second Language (for IUMS students)	Inst. Şerife Çelebi Sökmez
		Inst. Nevber İstillozlu
16:40-17:30	Turkish as a Second Language (for foreign students)	Inst. Emine Özerinç
	Turkish as a Second Language (for IUMS students)	Inst. Şerife Çelebi Sökmez
		Inst. Nevber İstillozlu
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 Batırel
10:40-11:30	Biochemistry of connective tissue	Dr. Saime Batırel
11:40-12:30	Biochemistry of connective tissue	Dr. Saime Batırel
	,	
13:40-14:30	Biochemistry of adipose tissue	Dr. Saime Batırel
14:40-15:30	Biochemistry of adipose tissue	Dr. Saime Batırel
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	
weunesday	07 Watch	
		Dr. Serap Şirvancı
08:40-09:30	Histology LAB: Specialized connective Tissue (Group A)	Dr. Masoud Afshani
		Dr. Serap Şirvancı
09:40-10:30	Histology LAB: Specialized connective Tissue (Group A)	Dr. Masoud Afshani
		Dr. Serap Şirvancı
10:40-11:30	Histology LAB: Muscle tissue (Group A)	Dr. Masoud Afshani
		Dr. Serap Şirvancı
11:40-12:30	Histology LAB: Muscle tissue (Group A)	Dr. Masoud Afshani
42:40 44:20		
13:40-14:30	Introduction to lung, heart and vessels	Dr. Serap Şirvancı
14:40-15:30 15:40-16-30	Introduction to lung, heart and vessels Introduction to gastrointestinal system	Dr. Serap Şirvancı Dr. Serap Şirvancı
16:40-17:30	Introduction to gastrointestinal system	Dr. Serap Şirvancı
	and oddedon to Base officestinal system	51. Scrup yn varier
Thursday	08 March	
-		Dr. Serap Şirvancı
08:40-09:30	Histology LAB: Specialized connective Tissue (Group B)	Dr. Masoud Afshani
		Dr. Serap Şirvancı
09:40-10:30	Histology LAB: Specialized connective Tissue (Group B)	Dr. Masoud Afshani
10:40-11:30	Histology LAB: Muscle tissue (Group B)	Dr. Serap Şirvancı Dr. Masoud Afshani
10.40-11.30	mistology LAD. Iviuscie tissue (Group D)	Dr. Serap Şirvancı
11:40-12:30	Histology LAB: Muscle tissue (Group B)	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

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Friday	09 March	
08:40-09:30	05 March	
09:40-10:30	-	
10:40-11:30	Y3C3 THEORETICAL	L EXAM
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11:40-12:30		
13:40-14:30	100 4 0 0000 00000 0 1 1 1 1 1 1	Dr. Mevhibe Hocaoğlu
14:40-15:30	ICS-1-Comp&SRA:SPSS&Data input and analysis	Dr.İlke Çetin Akçay Dr. Mevhibe Hocaoğlu
14:40-15:30	ICC 1 Comp@CDA:CDCC@Data input and analysis	Dr. Mevnibe Hocaogiu Dr.İlke Çetin Akçay
15:40-16-30	ICS-1-Comp&SRA:SPSS&Data input and analysis	Dr. Mevhibe Hocaoğlu
15.40-10-30	ICS-1-Comp&SRA:SPSS&Data input and analysis	Dr.ilke Çetin Akçay
16:40-17:30	les 1 compasivasi ssabata input and analysis	Dr. Mevhibe Hocaoğlu
20110 27100	ICS-1-Comp&SRA:SPSS&Data input and analysis	Dr.İlke Çetin Akçay
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	Week -7 (12 March- 16 March 2018)	
Monday		
Monday 08:40-09:30	12 March Turkish as a Second Language (for IUMS students)	Inst Sorifo Colohi Sälmor
09:40-10:30		Inst. Şerife Çelebi Sökmez
09:40-10:30	Turkish as a Second Language (for IUMS students)	Inst. Şerife Çelebi Sökmez Inst. Ayfer Civisilli
10:40-11:30	Medical English (Gr 1 & Gr 2)	Inst. Ayşe Kozansoy
11:40-12:30	Wiedlear English (Gr. 1 & Gr. 2)	Inst. Ayşe közünsöy
11.40 12.50	Medical English (Gr 1 & Gr 2)	Inst. Ayşe Kozansoy
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	Elective Course – I	
13:40-14:30	MDCN181-Theoretical and Applied Forensic Sciences	Dr. Cemal Gürkan
	MDCN182 –Arts and Crafts for Medical Students	Inst. Nurtane Karagil
	MDCN184 – Laboratory Techniques in Medicine	Inst. Duygu Gençalp
		Inst. Emine Özerinç
	Turkish as a Second Language (for foreign students)	Inst. Şerife Çelebi Sökmez
44.40.45.20	Elective Course – I	Do Consol Citalian
14:40-15:30	MDCN181-Theoretical and Applied Forensic Sciences MDCN182 –Arts and Crafts for Medical Students	Dr. Cemal Gürkan Inst. Nurtane Karagil
	MDCN184 – Laboratory Techniques in Medicine	Inst. Duygu Gençalp
	Turkish as a Second Language (for foreign students)	Inst. Emine Özerinç
	ranish as a second zangaage (for foreign stadents)	Inst. Şerife Çelebi Sökmez
15:40-16-30	Turkish as a Second Language (for foreign students)	Inst. Emine Özerinç
	Turkish as a Second Language (for IUMS students)	Inst. Şerife Çelebi Sökmez
		Inst. Nevber İstillozlu
16:40-17:30	Turkish as a Second Language (for foreign students)	Inst. Emine Özerinç
	Turkish as a Second Language (for IUMS students)	Inst. Şerife Çelebi Sökmez
		Inst. Nevber İstillozlu
T	1.000	
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	
42.40.44.55	CTUDY TIME	
13:40-14:30	STUDY TIME	
14:40-15:30	STUDY TIME	
15:40-16-30	STUDY TIME	

Wednesday 14 March	16:40-17:30	STUDYTIME	
08:40-09:30 09:40-10:30 11:40-12:30 14 MARCH MEDICINE DAY and WHITE COAT CEREMONY 13:40-14:30 14:40-15:30 15:40-16-30 16:40-17:30 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. Inci Alican 11:40-12:30 Normal distribution and composition of body fluids Dr. Inci Alican 13:40-14:30 Physiology of body defense system Dr. Hizir Kurtel 14:40-15:30 Physiology of body defense system Dr. Hizir Kurtel 15:40-16-30 Biochemical aspects of immunoglobulins Dr. Önder Şirikçi 16:40-17:30 Biochemical aspects of immunoglobulins Dr. Önder Şirikçi 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 11:40-12:30 The fate of substances in the body Dr. Betül Karademir 11:40-15:30 Biochemical aspect of cytokines Dr. Ergül Mutlu Altundağ 16:40-17:30 Biochemical aspect of cytokines Dr. Ergül Mutlu Altundağ 09:40-10:30 Dr. Ergül Mutlu Altundağ 09:40-10:30 Dr. Ergül Mutlu Altundağ 09:40-10:30 Dr. Ergül Mutlu Altundağ 09:40-10:30 Dr. Ergül Mutlu Altundağ 09:40-10:30 Dr. Ergül Mutlu Altundağ 09:40-10:30 Dr. Ergül Mutlu Altundağ 09:40-10:30 Dr. O9:40-10:30 Dr. O9:40-10:30 Dr. Ergül Mutlu Altundağ 09:40-10:30 Dr. O9:40-10:30 Dr. O9:40-10:30 Dr. O9:40-10:30 Dr. O9:40-10:30 Dr. O9:40-10:30 Dr. O9:40-10:30 Dr. O9:40-10:30 Dr. O9:40-10:30 Dr. O9:40-10:30 Dr. O9:40-10:30 Dr. O9:40-10:30 Dr. O9:40-10:30 Dr. O9:40-10:30 Dr. O9:40-10:30 Dr. O9:40-10:30 Dr. O9:40-10:30 Dr. O9:40-10:30 Dr. O9:40-10:30 Dr. O9:40-10:30 Dr. O9:40-10:30 Dr. O9:40-10:30 Dr. O9:40-10:30 Dr. O9:40-10:30 Dr. O9:40-10:30 Dr. O9:40-10:30 Dr. O9:40-10:30 Dr. O9:40-10:30 Dr. O9:40-10:30 Dr. O9:40-10:30 Dr. O9:40-10:30 Dr. O9:40-10:30 Dr. O9:40-10:30 Dr. O9:40-10:30	10.40-17:50	STUDY TIME	
08:40-09:30 09:40-10:30 11:40-12:30 14 MARCH MEDICINE DAY and WHITE COAT CEREMONY 13:40-14:30 14:40-15:30 15:40-16-30 16:40-17:30 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. Inci Alican 11:40-12:30 Normal distribution and composition of body fluids Dr. Inci Alican 13:40-14:30 Physiology of body defense system Dr. Hizir Kurtel 14:40-15:30 Physiology of body defense system Dr. Hizir Kurtel 15:40-16-30 Biochemical aspects of immunoglobulins Dr. Önder Şirikçi 16:40-17:30 Biochemical aspects of immunoglobulins Dr. Önder Şirikçi 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 11:40-12:30 The fate of substances in the body Dr. Betül Karademir 11:40-15:30 Biochemical aspect of cytokines Dr. Ergül Mutlu Altundağ 16:40-17:30 Biochemical aspect of cytokines Dr. Ergül Mutlu Altundağ 09:40-10:30 Dr. Ergül Mutlu Altundağ 09:40-10:30 Dr. Ergül Mutlu Altundağ 09:40-10:30 Dr. Ergül Mutlu Altundağ 09:40-10:30 Dr. Ergül Mutlu Altundağ 09:40-10:30 Dr. Ergül Mutlu Altundağ 09:40-10:30 Dr. Ergül Mutlu Altundağ 09:40-10:30 Dr. O9:40-10:30 Dr. O9:40-10:30 Dr. Ergül Mutlu Altundağ 09:40-10:30 Dr. O9:40-10:30 Dr. O9:40-10:30 Dr. O9:40-10:30 Dr. O9:40-10:30 Dr. O9:40-10:30 Dr. O9:40-10:30 Dr. O9:40-10:30 Dr. O9:40-10:30 Dr. O9:40-10:30 Dr. O9:40-10:30 Dr. O9:40-10:30 Dr. O9:40-10:30 Dr. O9:40-10:30 Dr. O9:40-10:30 Dr. O9:40-10:30 Dr. O9:40-10:30 Dr. O9:40-10:30 Dr. O9:40-10:30 Dr. O9:40-10:30 Dr. O9:40-10:30 Dr. O9:40-10:30 Dr. O9:40-10:30 Dr. O9:40-10:30 Dr. O9:40-10:30 Dr. O9:40-10:30 Dr. O9:40-10:30 Dr. O9:40-10:30 Dr. O9:40-10:30 Dr. O9:40-10:30 Dr. O9:40-10:30 Dr. O9:40-10:30 Dr. O9:40-10:30 Dr. O9:40-10:30	Wednesday	14 March	
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