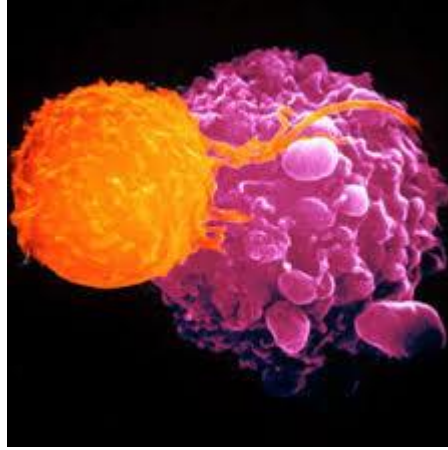




**MARMARA UNIVERSITY – EASTERN MEDITERRANEAN UNIVERSITY
INTERNATIONAL MEDICAL SCHOOL**



**DEVELOPMENT AND ORGANIZATION OF HUMAN BODY
YEAR 1 COURSE 3
February 15 – April 08 2021**

Year 1 Coordinators Prof., Mustafa AKKİPRİK & Assoc. Prof., Dilek AKAKIN & Assist. Prof., Ergül MUTLU ALTUNDAĞ	
PBL Module Coordinator Prof., Özlem SARIKAYA Assist. Prof., Bülent SEZGİN	Coordinator of Multidisciplinary Students' Lab. Assoc. Prof., Betül KARADEMİR Assist. Prof., Mümtaz GÜRAN
Coordinator of Clinical Skill Lab. Prof., Pemra ÜNALAN Assoc. Prof., Nilüfer GÜZOĞLU	Coordinator of ICS Res. Lab. Prof., Pemra ÜNALAN Assist. Prof., İlke AKÇAY
Vice-Chief Coordinators	
Assessment Asist. Prof., Cevdet NACAR Assist. Prof., Halil Eren SAKALLI	Student Affairs Asist. Prof., Can ERZİK Inst. Yöner MERAY
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

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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

- | | |
|--|---|
| <ul style="list-style-type: none"> • Anatomy • Biochemistry • Biophysics • Biostatistics • Histology & Embryology | <ul style="list-style-type: none"> • Immunology • Medical Biology • Medical Genetics • Microbiology • Physiology |
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LECTURERS / TUTORS

Alper YILDIRIM, Assoc. Prof., Physiology
 Ayşe KOZANSOY, Inst., Medical English
 Berfu Çerçi ÖNGÜN, Inst.,Dr., Anatomy
 Bülent SEZGİN, Assist. Prof., Internal Medicine
 Cemal GÜRKAN, Inst., Dr., Forensic Sciences
 Deren ÇEKER, Instructor, Medical Anthropology
 Dilek AKAKIN, Assoc. Prof., Histology and Embryology
 Ergül MUTLU ALTUNDAĞ, Assist., Prof., Medical Biochemistry
 Gizem ŞANLITÜRK, Inst., PBL
 Feriha ERCAN, Prof., Histology and Embryology
 Hızır KURTEL, Prof., Physiology
 Hülya CABADAK, Prof., Biophysics
 İlke AKÇAY, Assist. Prof., Biostatistics
 İlter GÜNEY, Assoc. Prof., Medical Genetics
 İnci ALICAN, Prof., Physiology
 Maryam NOROUZBAHARI, Inst., PBL
 Masoud AFSHANI, Assist. Prof., Histology and Embryology
 Mümtaz GÜRAN, Assist. Prof., Microbiology

Nazan DOĞRUER, Inst., Dr., Medical English
 Nurtane KARAGİL, Inst., Arts and Crafts
 Önder ŞİRİKÇİ, Prof., Medical Biochemistry
 Özgür KASIMAY ÇAKIR, Assoc. Prof., Physiology
 Özlem Tuğçe KAYA, Assist. Prof., Histology and Embryology
 Özlem SARIKAYA, Prof., Medical Education
 Özlem KIRAZLI, Assist. Prof, Anatomy
 Pınar ATA, Prof., Medical Genetics
 Saima BATIREL, Assoc. Prof., Medical Biochemistry
 Serap ŞİRVANCI, Prof., Histology and Embryology
 Sinem YILDIZ, Assist. Prof., Medical Education
 Şerife Ç. SÖKMEZ, Instructor, Turkish Language
 Şule ÇETİNEL, Prof., Histology and Embryology
 Şükrü TÜZMEN, Prof., Medical Biology
 Tunç AKKOÇ, Prof., Immunology
 Ural VERİMLİ, Assist. Prof., 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 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	12		12
Histology and Embryology	35	4	39
Immunology	2		2
Medical Biology	1		1
Microbiology	17	12	29
Physiology	12	1	13
Biophysics	1		1
Medical Genetics	2		2
Subtotal	97	20	117
PBL Module	8		8
ICS-1: Communication Skills	0	2	2
ICS-1: Computer & Student Research Activity	2	21	23
Medical English	14		14
Elective	10		10
TFMS102 – Turkish for Medical Students-II (Foreign Students)	28		28
TFMS102 – Turkish for Medical Students-II (Interactive session for Foreign Students)	10		10
TOTAL	169	43	212

* online lecture given through **MS Teams Application**

		THEORETICAL AND PRACTICAL SESSIONS	LECTURER/TUTOR
1st Week (15-19 February 2021)			
Cyprus Local Time	Turkey Local Time		
Monday		15 February	
08:40-09:30	09:40-10:30	Turkish for Medical Students-I (Foreign Students)	Inst. Şerife Ç. Sökmez*
09:40-10:30	10:40-11:30		
10:40-11:30	11:40-12:30		
11:40-12:30	12:40-13:30		
13:40-14:30	14:40-15:30	Medical English (Gr 1 & Gr 2)	Dr. Nazan Doğruer* Inst. Ayşe Kozansoy*
14:40-15:30	15:40-16:30		
15:40-16:30	16:40-17:30	History and development of microbiology	Dr. Mümtaz Güran*
16:40-17:30	17:40-18:30	Classification and structure of prokaryotic and eukaryotic organisms	Dr. Mümtaz Güran*
Tuesday		16 February	
08:00-08:50	09:00-09:50	STUDY TIME	
09:00-09:50	10:00-10:50	STUDY TIME	
10:00-10:50	11:00-11:50	Introduction to the course	Dr. Ergül Mutlu Altundağ*
12:00-12:50	13:00-13:50	Epithelial tissue	Dr. Masoud Afshani*
13:00-13:50	14:00-14:50	Epithelial tissue	Dr. Masoud Afshani*
14:00-14:50	15:00-15:50	Classification and general properties of medically important protozoa	Dr. Mümtaz Güran*
15:00-15:50	16:00-16:50	Classification and general properties of medically important helminths	Dr. Mümtaz Güran*
Wednesday		17 February	
08:00-08:50	09:00-09:50	STUDY TIME	
09:00-09:50	10:00-10:50	STUDY TIME	
10:00-10:50	11:00-11:50	STUDY TIME	
12:00-12:50	13:00-13:50	STUDY TIME	
13:00-13:50	14:00-14:50	Review of statistical inference table and introduction to nonparametric methods	Dr. İlke Akçay*
14:00-14:50	15:00-15:50	Sign test, Mann-Whitney U test, Wilcoxon test (paired sample)	Dr. İlke Akçay*
15:00-15:50	16:00-16:50	Glandular tissue	Dr. Masoud Afshani*
Thursday		18 February	
08:00-08:50	09:00-09:50	STUDY TIME	

09:00-09:50	10:00-10:50	Classification, morphology and replication of viruses and prions	Dr. Mümtaz Güran*
10:00-10:50	11:00-11:50	Classification, morphology and replication of viruses and prions	Dr. Mümtaz Güran*
12:00-12:50	13:00-13:50	ICS-1 Research: Planning of data gathering	Dr. İlke Akçay*
13:00-13:50	14:00-14:50	Histology of supporting tissue: Connective tissue	Dr. Masoud Afshani*
14:00-14:50	15:00-15:50	Histology of supporting tissue: Connective tissue	Dr. Masoud Afshani*
15:00-15:50	16:00-16:50	STUDY TIME	
Friday		19 February	
08:00-08:50	09:00-09:50	STUDY TIME	
09:00-09:50	10:00-10:50	Specialized connective tissues: Adipose tissue and blood	Dr. Feriha Ercan
10:00-10:50	11:00-11:50	Specialized connective tissues: Cartilage and bone	Dr. Feriha Ercan
12:00-12:50	13:00-13:50	STUDY TIME	
13:00-13:50	14:00-14:50	Opening lecture: Homeostasis among organ systems: Cross-talking	Dr. Ergül Mutlu Altundağ*
14:00-14:50	15:00-15:50	STUDY TIME	
15:00-15:50	16:00-16:50	STUDY TIME	
2nd Week (22-26 February 2021)			
Monday		22 February	
08:40-09:30	09:40-10:30	Turkish for Medical Students-I (Foreign Students)	Inst. Şerife Ç. Sökmez*
09:40-10:30	10:40-11:30		
10:40-11:30	11:40-12:30		
11:40-12:30	12:40-13:30		
13:40-14:30	14:40-15:30	Medical English (Gr 1 & Gr 2)	Dr. Nazan Doğruer* Inst. Ayşe Kozansoy*
14:40-15:30	15:40-16:30		
15:40-16:30	16:40-17:30	Elective Courses (MDCN-181-Forensic Sciences) (MDCN-182-Art and Craft) (MDCN-125-Medical Anthropology)	Dr. Cemal Gürkan* Inst. Nurtane Karagil* Dr. Deren Çeker*
16:40-17:30	17:40-18:30		
Tuesday		23 February	
08:00-08:50	09:00-09:50	Introduction to musculoskeletal system	Dr. Özlem Kirazlı
09:00-09:50	10:00-10:50	ICS-1 Research: Review of questionnaires and Material and Methods sections	Dr. İlke Akçay*

10:00-10:50	11:00-11:50	ICS-1 Research: Review of questionnaires and Material and Methods sections	Dr. İlke Akçay*
12:00-12:50	13:00-13:50	ICS-1 Research: Review of questionnaires and Material and Methods sections	Dr. İlke Akçay*
13:00-13:50	14:00-14:50	ICS-1 Research: Review of questionnaires and Material and Methods sections	Dr. İlke Akçay*
14:00-14:50	15:00-15:50	STUDY TIME	
15:00-15:50	16:00-16:50	STUDY TIME	
Wednesday		24 February	
08:00-08:50	09:00-09:50	STUDY TIME	
09:00-09:50	10:00-10:50	STUDY TIME	
10:00-10:50	11:00-11:50	Chi-square test of independence	Dr. İlke Akçay*
11:00-11:50	12:00-12:50	Chi-square test of homogeneity	Dr. İlke Akçay*
12:00-12:50	13:00-13:50		
13:00-13:50	14:00-14:50	Biochemistry of adipose tissue	Dr. Saime Batirel
14:00-14:50	15:00-15:50	Biochemistry of adipose tissue	Dr. Saime Batirel
15:00-15:50	16:00-16:50	Introduction to embryology: Spermatogenesis	Dr. Masoud Afshani*
16:00-16:50	17:00-17:50	Introduction to embryology: Spermatogenesis	Dr. Masoud Afshani*
Thursday		25 February	
08:00-08:50	09:00-09:50	STUDY TIME	
09:00-09:50	10:00-10:50	STUDY TIME	
10:00-10:50	11:00-11:50	Biochemistry of connective tissue	Dr. Saime Batirel
11:00-11:50	12:00-12:50	Biochemistry of connective tissue	Dr. Saime Batirel
12:00-12:50	13:00-13:50	STUDY TIME	
13:00-13:50	14:00-14:50	Introduction to embryology: Ooogenesis	Dr. Masoud Afshani*
14:00-14:50	15:00-15:50	Introduction to embryology: Ooogenesis	Dr. Masoud Afshani*
15:00-15:50	16:00-16:50	Histology LAB: Epithelial tissue	Dr. Dilek Akakin Dr. Masoud Afshani*
16:00-16:50	17:00-17:50	STUDY TIME	
Friday		26 February	
08:00-08:50	09:00-09:50	Introduction to urogenital system	Dr. Özlem Kirazlı
09:00-09:50	10:00-10:50	STUDY TIME	
10:00-10:50	11:00-11:50	STUDY TIME	
12:00-12:50	13:00-13:50	STUDY TIME	
13:00-13:50	14:00-14:50	Comparing risk-relative risk and Odds ratio	Dr. İlke Akçay*
14:00-14:50	15:00-15:50	Some basic concepts for diagnosis tests	Dr. İlke Akçay*
15:00-15:50	16:00-16:50	Histology LAB: Connective tissue	Dr. Şule Çetinel Dr. Masoud Afshani*

3 rd Week (01- 05 March 2021)			
Monday		01 March	
08:40-09:30	09:40-10:30	Turkish for Medical Students-I (Foreign Students)	Inst. Şerife Ç. Sökmez*
09:40-10:30	10:40-11:30		
10:40-11:30	11:40-12:30		
11:40-12:30	12:40-13:30		
13:40-14:30	14:40-15:30	Medical English (Gr 1 & Gr 2)	Dr. Nazan Doğruer* Inst. Ayşe Kozansoy*
14:40-15:30	15:40-16:30		
15:40-16:30	16:40-17:30	Elective Courses (MDCN-181-Forensic Sciences) (MDCN-182-Art and Craft) (MDCN-125-Medical Anthropology)	Dr. Cemal Gürkan* Inst. Nurtane Karagil* Dr. Deren Çeker*
16:40-17:30	17:40-18:30		
Tuesday		02 March	
08:00-08:50	09:00-09:50	STUDY TIME	
09:00-09:50	10:00-10:50	Fertilization and implantation	Dr. Masoud Afshani*
10:00-10:50	11:00-11:50	Fertilization and implantation	Dr. Masoud Afshani*
12:00-12:50	13:00-13:50	Skeletal muscle	Dr. Dilek Akakın
13:00-13:50	14:00-14:50	Cardiac muscle	Dr. Dilek Akakın
14:00-14:50	15:00-15:50	Formation of bilaminar embryo	Dr. Feriha Ercan
15:00-15:50	16:00-16:50	Smooth muscle	Dr. Dilek Akakın
Wednesday		03 March	
08:00-08:50	09:00-09:50	STUDY TIME	
09:00-09:50	10:00-10:50	STUDY TIME	
10:00-10:50	11:00-11:50	Basic structure of bacterial cell and classification of bacteria	Dr. Mümtaz Güran*
11:00-11:50	12:00-12:50	Basic structure of bacterial cell and classification of bacteria	Dr. Mümtaz Güran*
13:00-13:50	14:00-14:50	Formation of trilaminar embryo	Dr. Feriha Ercan
14:00-14:50	15:00-15:50	Formation of trilaminar embryo	Dr. Feriha Ercan
15:00-15:50	16:00-16:50	Histology LAB: Specialized connective tissue	Dr. Feriha Ercan Dr. Masoud Afshani*
Thursday		04 March	
08:00-08:50	09:00-09:50	Physiological properties of the skeletal muscle	Dr. Alper Yıldırım
09:00-09:50	10:00-10:50	STUDY TIME	
10:00-10:50	11:00-11:50	STUDY TIME	
12:00-12:50	13:00-13:50	Histology of lung, heart and vessels	Dr. Özlem Tuğçe Kaya
13:00-13:50	14:00-14:50	Histology of lung, heart and vessels	Dr. Özlem Tuğçe Kaya
14:00-14:50	15:00-15:50	Developmental genetics	Dr. Ahmet İlter Güney
15:00-15:50	16:00-16:50	Formation of basic organ systems	Dr. Şule Çetinel
16:00-16:50	17:00-17:50	Formation of basic organ systems	Dr. Şule Çetinel

Friday		05 March	
08:00-08:50	09:00-09:50	Smooth muscle contraction	Dr. Hülya Cabadak
09:00-09:50	10:00-10:50	STUDY TIME	
10:00-10:50	11:00-11:50	STUDY TIME	
12:00-12:50	13:00-13:50	PBL Module 1	Dr. Bülent Sezgin* Dr. Masoud Afshani*
13:00-13:50	14:00-14:50	PBL Module 1	Dr. Maryam Norouzbahari* Inst. Gizem Şanlıtürk*
14:00-14:50	15:00-15:50	STUDY TIME	
15:00-15:50	16:00-16:50	STUDY TIME	
16:00-16:50	17:00-17:50	STUDY TIME	

4th Week (08– 12 March 2021)

Monday		08 March	
08:40-09:30	09:40-10:30	Turkish for Medical Students-I (Foreign Students)	Inst. Şerife Ç. Sökmez*
09:40-10:30	10:40-11:30		
10:40-11:30	11:40-12:30		
11:40-12:30	12:40-13:30		
13:40-14:30	14:40-15:30	Medical English (Gr 1 & Gr 2)	Dr. Nazan Doğruer* Inst. Ayşe Kozansoy*
14:40-15:30	15:40-16:30		
15:40-16:30	16:40-17:30	Growth of bacteria	Dr. Mümtaz Güran*
16:40-17:30	17:40-18:30	Fetal period	Dr. Masoud Afshani*
Tuesday		09 March	
08:00-08:50	09:00-09:50	STUDY TIME	
09:00-09:50	10:00-10:50	Congenital malformations	Dr. Şule Çetinel
10:00-10:50	11:00-11:50	Congenital malformations	Dr. Şule Çetinel
12:00-12:50	13:00-13:50	Functional structures of the heart and peripheral circulation	Dr. Alper Yıldırım
13:00-13:50	14:00-14:50	Functions of the respiratory system	Dr. Alper Yıldırım
14:00-14:50	15:00-15:50	Histology LAB: Muscle tissue	Dr. Dilek Akakın Dr. Masoud Afshani*
15:00-15:50	16:00-16:50	Bacterial metabolism	Dr. Mümtaz Güran*
Wednesday		10 March	
08:00-08:50	09:00-09:50	STUDY TIME	
09:00-09:50	10:00-10:50	Turkish for Medical Students-II (Interactive session for Foreign Students)	Inst. Emine Özerinç*
10:00-10:50	11:00-11:50	Turkish for Medical Students-II (Interactive session for Foreign Students)	Inst. Emine Özerinç*
11:00-11:50	12:00-12:50	Turkish for Medical Students-II (Interactive session for Foreign Students)	Inst. Emine Özerinç*
13:00-13:50	14:00-14:50	STUDY TIME	
14:00-14:50	15:00-15:50	STUDY TIME	
15:00-15:50	16:00-16:50	Principles of sterilization and disinfection	Dr. Mümtaz Güran*

16:00-16:50	17:00-17:50	Principles of sterilization and disinfection	Dr. Mümtaz Güran*
Thursday		11 March	
08:00-08:50	09:00-09:50	Physiological properties of the smooth muscle	Dr. Yaşar İnci Alican
09:00-09:50	10:00-10:50	Correlation	Dr. İlke Akçay*
10:00-10:50	11:00-11:50	Simple regression	Dr. İlke Akçay*
12:00-12:50	13:00-13:50	Anatomy of the organs related to digestive system	Dr. Ural Verimli
13:00-13:50	14:00-14:50	Histology of gastrointestinal system	Dr. Özlem Tuğçe Kaya
14:00-14:50	15:00-15:50	Histology of gastrointestinal system	Dr. Özlem Tuğçe Kaya
15:00-15:50	16:00-16:50	PBL Module 2	Dr. Bülent Sezgin* Dr. Masoud Afshani*
16:00-16:50	17:00-17:50	PBL Module 2	Dr. Maryam Norouzbahari* Inst. Gizem Şanlıtürk*
Friday		12 March	
08:00-08:50	09:00-09:50	STUDY TIME	
09:00-09:50	10:00-10:50	STUDY TIME	
10:00-10:50	11:00-11:50	Bacterial genetics and bacteriophages	Dr. Mümtaz Güran*
11:00-11:50	12:00-12:50	Bacterial genetics and bacteriophages	Dr. Mümtaz Güran*
13:00-13:50	14:00-14:50	Application of bacterial genetics in industry and microbiology	Dr. Mümtaz Güran*
14:00-14:50	15:00-15:50	STUDY TIME	
15:00-15:50	16:00-16:50	STUDY TIME	
5th Week (15-19 March 2021)			
Monday		15 March	
08:40-09:30	09:40-10:30	Turkish for Medical Students-I (Foreign Students)	Inst. Şerife Ç. Sökmez*
09:40-10:30	10:40-11:30		
10:40-11:30	11:40-12:30		
11:40-12:30	12:40-13:30		
13:40-14:30	14:40-15:30	Medical English (Gr 1 & Gr 2)	Dr. Nazan Doğruer* Inst. Ayşe Kozansoy*
14:40-15:30	15:40-16:30		
15:40-16:30	16:40-17:30	Elective Courses (MDCN-181-Forensic Sciences) (MDCN-182-Art and Craft) (MDCN-125-Medical Anthropology)	Dr. Cemal Gürkan* Inst. Nurtane Karagil* Dr. Deren Çeker*
16:40-17:30	17:40-18:30		
Tuesday		16 March	
08:00-08:50	09:00-09:50	Approach to evidence based medicine	Dr. İlke Akçay*
09:00-09:50	10:00-10:50	Systematic reviews and meta analysis	Dr. İlke Akçay*
10:00-10:50	11:00-11:50	Physiology LAB: Muscle physiology	Dr. Özgür Kasımay Çakır Dr. Alper Yıldırım
12:00-12:50	13:00-13:50	Extraembryonic membranes	Dr. Serap Şırvancı
13:00-13:50	14:00-14:50	Extraembryonic membranes	Dr. Serap Şırvancı

14:00-14:50	15:00-15:50	Classification and general properties of medically important fungi	Dr. Mümtaz Güran*
15:00-15:50	16:00-16:50	Classification and general properties of medically important fungi	Dr. Mümtaz Güran*
Wednesday			
		17 March	
08:00-08:50	09:00-09:50	STUDY TIME	
09:00-09:50	10:00-10:50	ICS-1 Communication Skills EXAM	Dr. İlke Akçay
10:00-10:50	11:00-11:50	ICS-1 Communication Skills EXAM	Dr. İlke Akçay
Thursday			
		18 March	
08:00-08:50	09:00-09:50	STUDY TIME	
09:00-09:50	10:00-10:50	ICS-1 Research: Group study – Assigning variable types to questionnaire items	Dr. İlke Akçay*
10:00-10:50	11:00-11:50	ICS-1 Research: Group study – Designing tables and graphics	Dr. İlke Akçay*
12:00-12:50	13:00-13:50	STUDY TIME	
13:00-13:50	14:00-14:50	ICS-1 Research: Types of variables, graphics and tables for different variable types	Dr. İlke Akçay*
14:00-14:50	15:00-15:50	ICS-1 Research: Excel practicum – tables and functions	Dr. İlke Akçay*
15:00-15:50	16:00-16:50	ICS-1 Research: Excel practicum – graphics/charts	Dr. İlke Akçay*
Friday			
		19 March	
08:00-08:50	09:00-09:50	Physiology of body defense system	Dr. Hızır Kurtel
09:00-09:50	10:00-10:50	Physiology of body defense system	Dr. Hızır Kurtel
10:00-10:50	11:00-11:50	STUDY TIME	
12:00-12:50	13:00-13:50	Composition and function of blood	Dr. Özgür Kasımay Çakır
13:00-13:50	14:00-14:50	Histology of spleen, thymus and lymph nodes	Dr. Özlem Tuğçe Kaya
14:00-14:50	15:00-15:50	Histology of spleen, thymus and lymph nodes	Dr. Özlem Tuğçe Kaya
15:00-15:50	16:00-16:50	PBL Module 3	Dr. Bülent Sezgin* Dr. Masoud Afshani*
16:00-16:50	17:00-17:50	PBL Module 3	Dr. Maryam Norouzbahari* Inst. Gizem Şanlıtürk*
6th Week (22-26 March 2021)			
Monday			
		22 March	

08:40-09:30	09:40-10:30	Turkish for Medical Students-I (Foreign Students)	Inst. Şerife Ç. Sökmez*
09:40-10:30	10:40-11:30		
10:40-11:30	11:40-12:30		
11:40-12:30	12:40-13:30		
13:40-14:30	14:40-15:30	Medical English (Gr 1 & Gr 2)	Dr. Nazan Doğruer*
14:40-15:30	15:40-16:30		Inst. Ayşe Kozansoy*
15:40-16:30	16:40-17:30	Elective Courses (MDCN-181-Forensic Sciences) (MDCN-182-Art and Craft) (MDCN-125-Medical Anthropology)	Dr. Cemal Gürkan*
16:40-17:30	17:40-18:30		Inst. Nurtane Karagil* Dr. Deren Çeker*
Tuesday		23 March	
08:00-08:50	09:00-09:50	Functional structures of the digestive system	Dr. Alper Yıldırım
09:00-09:50	10:00-10:50	PBL Module 4	Dr. Bülent Sezgin*
10:00-10:50	11:00-11:50	PBL Module 4	Dr. Masoud Afshani* Dr. Maryam Norouzbahari* Inst. Gizem Şanlıtürk*
12:00-12:50	13:00-13:50	STUDY TIME	
13:00-13:50	14:00-14:50	Statistical packages	Dr. İlke Akçay*
14:00-14:50	15:00-15:50	Interpretation of computer outputs	Dr. İlke Akçay*
15:00-15:50	16:00-16:50	Anatomy LAB: Anatomy of respiratory and circulatory system	Dr. Ural Verimli Dr. Berfu Çerçi Öngün*
Wednesday		24 March	
08:00-08:50	09:00-09:50	STUDY TIME	
09:00-09:50	10:00-10:50	ICS-1 Research: Data analysis in SPSS	Dr. İlke Akçay*
10:00-10:50	11:00-11:50	ICS-1 Research: Data analysis in SPSS	Dr. İlke Akçay*
11:00-11:50	12:00-12:50	ICS-1 Research: Data analysis in SPSS	Dr. İlke Akçay*
13:00-13:50	14:00-14:50	Introduction to immunology	Dr. Tunç Akkoç
14:00-14:50	15:00-15:50	Cells and organs involved in immune responses	Dr. Tunç Akkoç
15:00-15:50	16:00-16:50	Embryonic induction	Dr. Özlem Tuğçe Kaya
Thursday		25 March	
08:00-08:50	09:00-09:50	STUDY TIME	
09:00-09:50	10:00-10:50	Histology of urogenital system	Dr. Masoud Afshani*
10:00-10:50	11:00-11:50	Histology of urogenital system	Dr. Masoud Afshani*
12:00-12:50	13:00-13:50	ICS-1 Research: GROUP STUDY TIME on data preparation	
13:00-13:50	14:00-14:50	ICS-1 Research: GROUP STUDY TIME on data preparation	
14:00-14:50	15:00-15:50	ICS-1 Research: GROUP STUDY TIME on data preparation	
15:00-15:50	16:00-16:50	Anatomy LAB: Anatomy of Digestive System	Dr. Dr. Ural Verimli Dr. Berfu Çerçi Öngün*
Friday		26 March	
08:00-08:50	09:00-09:50	Introduction to respiratory system	Dr. Ural Verimli

09:00-09:50	10:00-10:50	Introduction to cardiovascular system	Dr. Ural Verimli
10:00-10:50	11:00-11:50	Regulation of pH	Dr. Özgür Kasımay Çakır
12:00-12:50	13:00-13:50	Turkish for Medical Students-II (Interactive session for Foreign Students)	Inst. Emine Özerinç*
13:00-13:50	14:00-14:50	Turkish for Medical Students-II (Interactive session for Foreign Students)	Inst. Emine Özerinç*
14:00-14:50	15:00-15:50	Turkish for Medical Students-II (Interactive session for Foreign Students)	Inst. Emine Özerinç*
15:00-15:50	16:00-16:50	Anatomy LAB: Anatomy of Urogenital System	Dr. Özlem Kirazlı Dr. Berfu Çerçi Öngün*

7th Week (29 March-02 April 2021)

Monday	29 March		
08:40-09:30	Turkish for Medical Students-I (Foreign Students)		Inst. Şerife Ç. Sökmez*
09:40-10:30			
10:40-11:30			
11:40-12:30			
13:40-14:30	Medical English (Gr 1 & Gr 2)		Dr. Nazan Doğruer* Inst. Ayşe Kozansoy*
14:40-15:30			
15:40-16:30	Elective Courses (MDCN-181-Forensic Sciences) (MDCN-182-Art and Craft) (MDCN-125-Medical Anthropology)		Dr. Cemal Gürkan* Inst. Nurtane Karagil* Dr. Deren Çeker*
16:40-17:30			
Tuesday	30 March		
09:00-09:50	Normal distribution and composition of body fluids		Dr. Yaşar İnci Alican
10:00-10:50	Turkish for Medical Students-II (Interactive session for Foreign Students)		Inst. Emine Özerinç*
11:00-11:50	Turkish for Medical Students-II (Interactive session for Foreign Students)		Inst. Emine Özerinç*
13:00-13:50	Microbiology LAB: Rules in microbiology laboratory and use of microscope		Dr. Mümtaz Güran*
14:00-14:50	Microbiology LAB: Rules in microbiology laboratory and use of microscope		Dr. Mümtaz Güran*
15:00-15:50	Microbiology LAB: Rules in microbiology laboratory and use of microscope		Dr. Mümtaz Güran*
16:00-16:50	Microbiology LAB: Rules in microbiology laboratory and use of microscope		Dr. Mümtaz Güran*
Wednesday	31 March		
09:00-09:50	ICS-1 Research: Data analysis in SPSS		Dr. İlke Akçay*
10:00-10:50	ICS-1 Research: Data analysis in SPSS		Dr. İlke Akçay*
11:00-11:50	Genomic organization and rearrangement of immunoglobulin genes		Dr. Şükrü Tüzmen*
13:00-13:50	Microbiology LAB: Bacterial growth and cultivation technique		Dr. Mümtaz Güran*
14:00-14:50	Microbiology LAB: Bacterial growth and cultivation technique		Dr. Mümtaz Güran*
15:00-15:50	Microbiology LAB: Bacterial growth and cultivation technique		Dr. Mümtaz Güran*
16:00-16:50	Microbiology LAB: Bacterial growth and cultivation technique		Dr. Mümtaz Güran*

Thursday	01 April	
09:00-09:50	STUDY TIME	
10:00-10:50	Biochemical aspect of cytokines	Dr. Ergül Mutlu Altundağ*
11:00-11:50	Biochemical aspect of cytokines	Dr. Ergül Mutlu Altundağ*
13:00-13:50	Microbiology LAB: Bacterial growth and cultivation technique	Dr. Mümtaz Güran*
14:00-14:50	Microbiology LAB: Bacterial growth and cultivation technique	Dr. Mümtaz Güran*
15:00-15:50	Microbiology LAB: Bacterial growth and cultivation technique	Dr. Mümtaz Güran*
16:00-16:50	Microbiology LAB: Bacterial growth and cultivation technique	Dr. Mümtaz Güran*
Friday	02 April	
09:00-09:50	General principles of renal physiology	Dr. Özgür Kasımay Çakır
10:00-10:50	General principles of renal physiology	Dr. Özgür Kasımay Çakır
11:00-11:50	The fate of substances in the body	Dr. Ergül Mutlu Altundağ*
13:00-13:50	Turkish for Medical Students-II (Interactive session for Foreign Students)	Inst. Emine Özerinç*
14:00-14:50	Turkish for Medical Students-II (Interactive session for Foreign Students)	Inst. Emine Özerinç*
15:00-15:50	Biochemical aspect of immunoglobulins	Dr. Önder Şirikçi
16:00-16:50	Biochemical aspect of immunoglobulins	Dr. Önder Şirikçi
17:00-17:50	Genomic organization of HLA system	Dr. Pınar Ata
Monday	05 April	
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	
Tuesday	06 April	
09:00-09:50	STUDY TIME	
10:00-10:50	STUDY TIME	
11:00-11:50	STUDY TIME	
13:00-13:50	STUDY TIME	
14:00-14:50	STUDY TIME	
15:00-15:50	STUDY TIME	
16:00-16:50	STUDY TIME	
Wednesday	07 April	
09:00-09:50	STUDY TIME	
10:00-10:50	STUDY TIME	
11:00-11:50	STUDY TIME	
13:00-13:50	STUDY TIME	
14:00-14:50	STUDY TIME	
15:00-15:50	STUDY TIME	

16:00-16:50	STUDY TIME	
Thursday	08 April	
09:00-09:50	Y1C3 THEORETICAL EXAM	
10:00-10:50		
11:00-11:50		
13:00-13:50	STUDY TIME	
14:00-14:50	STUDY TIME	
15:00-15:50	STUDY TIME	
16:00-16:50	STUDY TIME	
Friday	09 April	
09:00-09:50		
10:00-10:50		
11:00-11:50		
13:00-13:50		
14:00-14:50		
15:00-15:50		
16:00-16:50		
Sunday	11 April	
	TFMS102 EXAM (Starts at 10.00)- on moodle	