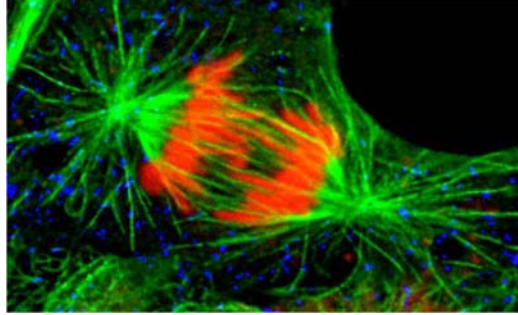




**MARMARA UNIVERSITY – EASTERN MEDITERRANEAN
UNIVERSITY INTERNATIONAL MEDICAL SCHOOL**



**INTRODUCTION TO CELL AND CELLULAR REPLICATION
YEAR 1 COURSE 1
October 4th, 2021 – December 03rd, 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.**

Prof., Betül KARADEMİR
Assoc. 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

Chief Coordinator

Assoc. Prof., Hasan YANANLI
Assoc. 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 health care
 - 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.

INTRODUCTION TO CELL AND CELLULAR REPLICATION

AIM and LEARNING OBJECTIVES of COURSE

Aim: At the end of this committee, first year students will gain knowledge about structure, function and mechanisms in human biology at the molecular and cellular levels with a specific emphasis on cellular replication and genetics.

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

- Identify and describe the development, structure and function of cell and its subcomponents
- Evaluate the biochemical process of the cell
- Understand cell division process and related mechanisms
- Describe the genetics mechanisms and protein biosynthesis
- Understand genetic variation in individuals
- Describe the molecular mechanisms of genetic inheritance and genetic basis of inherited disease

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 & MODULE-1

- Biochemistry
- Biophysics
- Biostatistics
- Chemistry
- Histology & Embryology

- Medical Biology
- Medical Genetics
- Medical History and Ethics
- Pediatrics

LECTURERS / TUTORS

Adil ŞEYTANOĞLU, Assoc. Professor of Medical Biology
Ayşe KOZANSOY, Instructor of Medical English
Betül KARADEMİR, Professor of Biochemistry
Bilgen Bilge GEÇKİNLİ, Assoc. Professor of Medical Genetics
Bülent SEZGİN, Assist. Professor of Internal Medicine
Can ERZİK, Instructor of Medical History and Ethics
Cemal GÜRKAN, Instructor of Forensic Sciences
Cevdet NACAR, Assist. Professor of Biophysics
Ela Erdem ERALP, Professor of Child Health and Disease
Elif DAĞLI, Professor of Pediatrics
Ergül MUTLU ALTUNDAĞ, Assist. Professor of Biochemistry
Deren ÇEKER, Instructor of Medical Anthropology
Feriha ERCAN, Professor of Histology and Embryology
Goncagül HAKLAR, Professor of Medical Biochemistry
Gizem ŞANLITÜRK, Instructor of PBL
Gülcem ALTINOĞLU, Instructor of PBL
Gürkan SERT, Assoc. Professor of Medical History and Ethics
Huriye İCİL, Professor of Chemistry
İlke AKÇAY, Assist. Professor of Biostatistics
Kürşat EPÖZTÜRK, Instructor of Medical History and Ethics
Maryam NOROUZBAHARİ, Instructor of PBL
Masoud AFSHANİ, Asst. Professor of Histology and Embryology
Mete ÖZKOÇ, Instructor of PBL
Mustafa AKKİPRİK, Professor of Medical Biology
Mümtaz GÜRAN, Assoc. Professor of Microbiology

Nazan DOĞRUER, Assist. Professor of Medical English
Nurtane KARAGİL, Instructor of Arts and Crafts
Önder ŞİRİKÇİ, Professor of Medical Biochemistry
Pemra ÜNALAN, Assoc. Professor of Family Medicine
Pınar Mega TİBER, Assoc. Professor of Biophysics
Saime BATIREL, Assoc. Professor of Medical Biochemistry
Serap Şirvancı, Prof., Histology and Embryology
Şerife Ç. SÖKMEZ, Instructor of Turkish Language
Turgay Bülent GÖKTÜRK, Assist. Professor of Atatürk's Principles and History of Modern Turkey

READING / STUDYING MATERIALS

- Basic Histology, Junqueira, Corneiro, 8th Ed., Lange
- Başlangıcından Rönesansa Kadar Tıp Tarihi, Emine Atabek, Şefik Görkey
- Biochemistry, Stryer, 4th Ed., Freeman
- Biochemistry, Zubay, 3rd Ed., WCB
- Color Textbook of Histology, Gatrner, Hiatt, WB Saunders
- Harper's Biochemistry, Murray, Granner, 23rd Ed., Lange
- Histology: A Text and Atlas, Ross, Romwell, 3rd, Lippincott
- History of Medicine Ders Notları, Şefik Görkey
- Leningr Principles of Biochemistry, Nelson, Cox, 3rd, Worth
- Medicine: An Illustrated History, Albert S. Lyons, R. Joseph Petrucelli,
- Molecular Biology of the Cell, Alberts, Bray, 6rd Ed., Garland
- Physics, Giancoli, 4th Ed., Prentice Hall
- The Cell: A Molecular Approach, Cooper, 2nd Ed., ASM Press
- Türk Tıp Tarihi, Bedi Şeyhsuvaroğlu, Gönül Cantay.

SUMMARY OF THE COURSE 1.1			
Discipline	Lecture & Group Discussion	Multidisciplinary Lab. & Clinical Skills Lab. Practice	Total
Biochemistry	26	8	34
Biophysics	5		5
Biostatistics	6		6
Chemistry	20		20
Histology and Embryology	7	4	11
Medical Biology	34		34
Medical Genetics	1		1
Medical History and Ethics	12		12
Pediatrics	2		2
Subtotal	113	12	125
PBL Module	8		8
ICS-1: Introduction to Student Research and Computer Skills	9		9
ICS-1: First aid	16	8	24
ENGL131 - Medical English	10		10
HIST180 - Atatürk's Principles and the History of Turkish Renovation (for Turkish students)	12		12
TFMS101 – Turkish for Medical Students-I (Foreign Students)	20		20
Elective Courses MDCN181, MDCN182, MDCN125	8		8
TOTAL	196	20	216

THEORETICAL AND PRACTICAL SESSIONS			LECTURER/TUTOR	LECTURE PLATFORM
1 st Week (04-08 October 2021)				
Monday		04 October		
08:30-08:45		<p style="text-align: center;">OPENING CEREMONY AND WHITE COAT CEREMONY OF THE ACADEMIC YEAR 2021-22</p> <p style="text-align: center;">EMU CL BUILDING MUSTAFA AFŞİN ERSOY HALL</p> <p style="text-align: center;">Starts at 10:00</p>		
08:45-09:00				
09:00-09:15				
09:15-09:30				
09:30-10:00				
10:00-10:30				
10:30-11:15				
11:15-12:00				
12:00-12:30				
13:40-14:30				
14:40-15:30				
15:40-16:30				
16:40-17:30				
Tuesday		05 October		
08:40-09:30		STUDY TIME		
09:40-10:30		Introduction to the course	Dr. Ergül Mutlu Altundağ	IN CLASS
10:40-11:30		Origin of life	Dr.Adil Şeytanoğlu	IN CLASS
11:40-12:30		Molecular recognition process	Dr.Adil Şeytanoğlu	IN CLASS
13:40-14:30		Introduction to organic chemistry	Dr. Huriye İcil	IN CLASS
14:40-15:30		Chemical compounds	Dr. Huriye İcil	IN CLASS
15:40-16:30		STUDY TIME		
16:40-17:30		STUDY TIME		

Wednesday		06 October		
08:40-09:30		STUDY TIME		
09:40-10:30		STUDY TIME		
10:40-11:30		Atatürk's Principles and History of Modern Turkey	Dr. Turgay Bülent Göktürk	MS Teams
11:40-12:30		Atatürk's Principles and History of Modern Turkey	Dr. Turgay Bülent Göktürk	MS Teams
13:40-14:30		Biomolecules and water	Dr. Önder Şirikçi	IN CLASS
14:40-15:30		Biomolecules and water	Dr. Önder Şirikçi	IN CLASS
15:40-16:30		Solubility, pH and buffers	Dr. Önder Şirikçi	IN CLASS
16:40-17:30		Solubility, pH and buffers	Dr. Önder Şirikçi	IN CLASS
Thursday		07 October		
08:40-09:30		Amino acids	Dr. Önder Şirikçi	IN CLASS
09:40-10:30		Amino acids	Dr. Önder Şirikçi	IN CLASS
10:40-11:30		Structure of carbohydrates	Dr. Önder Şirikçi	IN CLASS
11:40-12:30		Structure of carbohydrates	Dr. Önder Şirikçi	IN CLASS
13:40-14:30		Introduction to ICS-1	Dr. Pemra Ünalın	MU UZEM
14:40-15:30		STUDY TIME		
15:40-16:30		Cellular organisation of life	Dr.Adil Şeytanoğlu	IN CLASS
16:40-17:30		Cellular organisation of life	Dr.Adil Şeytanoğlu	IN CLASS
Friday		08 October		
08:40-09:30		STUDY TIME		
09:40-10:30		ICS-1 Research: Introduction to ICS-Research	Dr. İlke Akçay	IN CLASS
10:40-11:30		ICS-1 Research: Philosophy of Research and Scientific Approach	Dr. İlke Akçay	IN CLASS
11:40-12:30		ICS-1 Research: Global look to different research designs	Dr. İlke Akçay	IN CLASS

13:40-14:30		STUDY TIME		
14:40-15:30		History of Anatomy	Dr. Can Erzik	MU UZEM
15:40-16:30		History of Anatomy	Dr. Can Erzik	MU UZEM
16:40-17:30		STUDY TIME		
2nd Week (11-15 October 2021)				
Monday		11 October		
08:40-09:30		Turkish for Medical Students-I (Foreign Students)	Inst. Şerife Ç. Sökmez	IN CLASS (MED010)
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	IN CLASS (MED101, MED001)
14:40-15:30				
15:40-16:30		STUDY TIME		
16:40-17:30		STUDY TIME		
Tuesday		12 October		
08:40-09:30		STUDY TIME		
09:40-10:30		Nucleic acids	Dr.Adil Şeytanoğlu	IN CLASS (MED101)
10:40-11:30		Nucleus and nuclear genome	Dr.Adil Şeytanoğlu	IN CLASS (MED101)
11:40-12:30		Genes and heredity	Dr.Adil Şeytanoğlu	IN CLASS (MED101)
13:40-14:30		Histotechniques	Dr. Serap Şırvancı	MU UZEM
14:40-15:30		Atoms and atomic theory, atomic properties and periodic table	Dr. Huriye İcil	IN CLASS (MED101)

15:40-16:30		Chemical bonds: ionic and covalent	Dr. Huriye İcil	IN CLASS (MED101)
16:40-17:30		STUDY TIME		
Wednesday		13 October		
08:40-09:30		Cell division kinetics	Dr.Adil Şeytanoğlu	IN CLASS (MED101)
09:40-10:30		Cell cycle	Dr.Adil Şeytanoğlu	IN CLASS (MED101)
10:40-11:30		Atatürk's Principles and History of Modern Turkey	Dr. Turgay Bülent Göktürk	IN CLASS (MED101)
11:40-12:30		Atatürk's Principles and History of Modern Turkey	Dr. Turgay Bülent Göktürk	IN CLASS (MED101)
13:40-14:30		PBL Orientation	Dr. Bülent Sezgin	IN CLASS (MED101)
14:40-15:30		Microscope	Dr. Masoud Afshani	IN CLASS (MED101)
15:40-16:30		Microscope	Dr. Masoud Afshani	IN CLASS (MED101)
16:40-17:30		STUDY TIME		
Thursday		14 October		
08:40-09:30		DNA replication	Dr.Adil Şeytanoğlu	IN CLASS (MED101)
09:40-10:30		DNA replication	Dr.Adil Şeytanoğlu	IN CLASS (MED101)
10:40-11:30		Structure of nucleic acids	Dr. Ergül Mutlu Altundağ	IN CLASS (MED101)
11:40-12:30		STUDY TIME		
13:40-14:30		Biochemistry LAB: Spectrophotometer - Group A	Dr. Ergül Mutlu Altundağ	Biochem Lab.
14:40-15:30		Biochemistry LAB: Spectrophotometer - Group A	Dr. Ergül Mutlu Altundağ	Biochem Lab.
15:40-16:30		Biochemistry LAB: Spectrophotometer - Group A	Dr. Ergül Mutlu Altundağ	Biochem Lab.
16:40-17:30		Biochemistry LAB: Spectrophotometer - Group A	Dr. Ergül Mutlu Altundağ	Biochem Lab.

Friday		15 October		
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		History of surgery	Dr. Kürşat Epöztürk	MU UZEM
15:40-16:30		STUDY TIME		
16:40-17:30		STUDY TIME		
3rd Week (18-22 October 2021)				
Monday		18 October		
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		19 October		
08:40-09:30		STUDY TIME		
09:40-10:30		STUDY TIME		
10:40-11:30		RNA synthesis and processing	Dr.Adil Şeytanoğlu	IN CLASS
11:40-12:30		RNA synthesis and processing	Dr.Adil Şeytanoğlu	IN CLASS

13:40-14:30		Biochemistry LAB: Spectrophotometer - Group B	Dr. Ergül Mutlu Altundağ	IN CLASS
14:40-15:30		Biochemistry LAB: Spectrophotometer - Group B	Dr. Ergül Mutlu Altundağ	IN CLASS
15:40-16:30		Biochemistry LAB: Spectrophotometer - Group B	Dr. Ergül Mutlu Altundağ	IN CLASS
16:40-17:30		Biochemistry LAB: Spectrophotometer - Group B	Dr. Ergül Mutlu Altundağ	IN CLASS
Wednesday		20 October		
08:40-09:30		Y2C1 THEORETICAL EXAM		
09:40-10:30				
10:40-11:30				
11:40-12:30				
12:40-13:30			STUDY TIME	
13:40-14:30		STUDY TIME		
14:40-15:30		STUDY TIME		
15:40-16:30		STUDY TIME		
16:40-17:30		STUDY TIME		
Thursday		21 October		
08:40-09:30		Y3C1 THEORETICAL EXAM		
09:40-10:30				
10:40-11:30				
11:40-12:30				
13:40-14:30		Structure of lipids	Dr. Goncagül Haklar	MU UZEM
14:40-15:30		Structure of lipids	Dr. Goncagül Haklar	MU UZEM
15:40-16:30		Chemical reactions and equilibrium	Dr. Huriye İcil	IN CLASS
16:40-17:30		Chemical reactions and equilibrium	Dr. Huriye İcil	IN CLASS
Friday		22 October		

08:40-09:30		STUDY TIME		
09:40-10:30		STUDY TIME		
10:40-11:30		ICS-1 Research: Literature Review	Dr. İlke Akçay	IN CLASS
11:40-12:30		ICS-1 Research: Literature Review	Dr. İlke Akçay	IN CLASS
13:40-14:30		STUDY TIME		
14:40-15:30		STUDY TIME		
15:40-16:30		STUDY TIME		
16:40-17:30		STUDY TIME		
4th Week (25-29 October 2021)				
Monday		25 October		
08:40-09:30		Turkish for Medical Students-I (Foreign Students)	Inst. Şerife Ç. Sökmez	IN CLASS
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	IN CLASS
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 Inst. Deren Çeker	IN CLASS
16:40-17:30				
Tuesday		26 October		
08:40-09:30		STUDY TIME		
09:40-10:30		Protein synthesis	Dr.Adil Şeytanoğlu	IN CLASS
10:40-11:30		Protein synthesis	Dr.Adil Şeytanoğlu	IN CLASS
11:40-12:30		Packaging chromosomal DNA	Dr.Adil Şeytanoğlu	IN CLASS
13:40-14:30		Nucleus and cell division	Dr. Feriha Ercan	MU UZEM

14:40-15:30		Nucleus and cell division	Dr. Feriha Ercan	MU UZEM
15:40-16:30		History of Medicine in Seljukid and Ottoman Ages	Dr. Kürşat Epöztürk	MU UZEM
16:40-17:30		STUDY TIME		
Wednesday		27 October		
08:40-09:30		Mitosis	Dr.Adil Şeytanoğlu	IN CLASS
09:40-10:30		Meiosis	Dr.Adil Şeytanoğlu	IN CLASS
10:40-11:30		Atatürk's Principles and History of Modern Turkey	Dr. Turgay Bülent Göktürk	IN CLASS
11:40-12:30		Atatürk's Principles and History of Modern Turkey	Dr. Turgay Bülent Göktürk	IN CLASS
13:40-14:30		Introduction to biophysics – I	Dr. Pınar Mega Tiber	MU UZEM
14:40-15:30		Introduction to biophysics – I	Dr. Pınar Mega Tiber	MU UZEM
15:40-16:30		STUDY TIME		
16:40-17:30		STUDY TIME		
Thursday		28 October		
08:40-09:30		Information content of DNA	Dr. Cevdet Nacar	MU UZEM
09:40-10:30		Acids and bases	Dr. Huriye İcil	IN CLASS
10:40-11:30		Acids and bases	Dr. Huriye İcil	IN CLASS
11:40-12:30		STUDY TIME		
13:40-14:30		What is statistics and biostatistics?	Dr. İlke Akçay	IN CLASS
14:40-15:30		Statistics in medical research	Dr. İlke Akçay	IN CLASS
15:40-16:30		Cellular organelles and inclusions at LM and EM level	Dr. Masoud Afshani	IN CLASS (MED101)
16:40-17:30		Cellular organelles and inclusions at LM and EM level	Dr. Masoud Afshani	IN CLASS (MED101)
Friday		29 October		
08:40-09:30		THE REPUBLIC DAY OF TURKEY		
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				
5th Week (01 – 05 November 2021)				
Cyprus local time	Turkey local time			
Monday		01 November		
08:40-09:30	09:40-10:30	Turkish for Medical Students-I (Foreign Students)	Inst. Şerife Ç. Sökmez	IN CLASS
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	IN CLASS
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 Inst. Deren Çeker	IN CLASS
16:40-17:30	17:40-18:30			
Tuesday		02 November		
07:40-08:30	08:40-09:30	Introduction to genetics	Dr.Adil Şeytanoğlu	IN CLASS
08:40-09:30	09:40-10:30	Fundamentals to Mendelian genetics	Dr.Adil Şeytanoğlu	IN CLASS
09:40-10:30	10:40-11:30	Introduction to biophysics – II	Dr. Pınar Mega Tiber	MU UZEM
10:40-11:30	11:40-12:30	Introduction to biophysics – II	Dr. Pınar Mega Tiber	MU UZEM
12:40-13:30	13:40-14:30	STUDY TIME		

13:40-14:30	14:40-15:30	STUDY TIME		
14:40-15:30	15:40-16:30	STUDY TIME		
15:40-16:30	16:40-17:30	STUDY TIME		
Wednesday		03 November		
08:40-09:30	09:40-10:30	STUDY TIME		
09:40-10:30	10:40-11:30	STUDY TIME		
10:40-11:30	11:40-12:30	Atatürk's Principles and History of Modern Turkey	Dr. Turgay Bülent Göktürk	MS Teams
11:40-12:30	12:40-13:30	Atatürk's Principles and History of Modern Turkey	Dr. Turgay Bülent Göktürk	MS Teams
13:40-14:30	14:40-15:30	STUDY TIME		
14:40-15:30	15:40-16:30	STUDY TIME		
15:40-16:30	16:40-17:30	PBL-1	Dr. Mümtaz Güran Dr. Maryam Norouzbahari Dr. Gülcem Altınoğlu Dr. Mete Özkoç Inst. Gizem Şanlıtürk	IN CLASS
16:40-17:30	17:40-18:30			
Thursday		04 November		
08:40-09:30	09:40-10:30	Population genetics	Dr.Adil Şeytanoğlu	IN CLASS
09:40-10:30	10:40-11:30	Mutations and polymorphisms	Dr.Adil Şeytanoğlu	IN CLASS
10:40-11:30	11:40-12:30	Protein structure and function-1	Dr. Betül Yılmaz	IN CLASS
11:40-12:30	12:40-13:30	Protein structure and function-1	Dr. Betül Yılmaz	IN CLASS
13:40-14:30	14:40-15:30	Protein structure and function-2	Dr. Betül Yılmaz	IN CLASS
14:40-15:30	15:40-16:30	Protein structure and function-2	Dr. Betül Yılmaz	IN CLASS
15:40-16:30	16:40-17:30	Enzymes: Introduction	Dr. Betül Yılmaz	IN CLASS
16:40-17:30	17:40-18:30	EMUMSA: Club Orientation		IN CLASS
Friday		05 November		
08:40-09:30	09:40-10:30	Viruses, plasmids, transposable genetic elements	Dr.Adil Şeytanoğlu	IN CLASS

09:40-10:30	10:40-11:30	Enzymes: Introduction	Dr. Betül Yılmaz	IN CLASS
10:40-11:30	11:40-12:30	Enzymes: Mechanism of action	Dr. Betül Yılmaz	IN CLASS
11:40-12:30	12:40-13:30	Enzymes: Mechanism of action	Dr. Betül Yılmaz	IN CLASS
13:40-14:30	14:40-15:30	Enzymes: Regulation	Dr. Betül Yılmaz	IN CLASS
14:40-15:30	15:40-16:30	Enzymes: Regulation	Dr. Betül Yılmaz	IN CLASS
15:40-16:30	16:40-17:30	Chemical kinetics and reaction mechanism	Dr. Huriye İcil	IN CLASS
16:40-17:30	17:40-18:30	Chemical kinetics and reaction mechanism	Dr. Huriye İcil	IN CLASS

6th Week (08-12 November 2021)

Cyprus local time	Turkey local time			
Monday		08 November		
08:40-09:30	09:40-10:30	Turkish for Medical Students-I (Foreign Students)	Inst. Şerife Ç. Sökmez	IN CLASS
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	IN CLASS
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 Inst. Deren Çeker	IN CLASS
16:40-17:30	17:40-18:30			
Tuesday		09 November		
07:40-08:30	08:40-09:30	Recombination	Dr.Adil Şeytanoğlu	IN CLASS
08:40-09:30	09:40-10:30	Mutations and polymorphisms	Dr.Adil Şeytanoğlu	IN CLASS
09:40-10:30	10:40-11:30	DNA Repair	Dr.Adil Şeytanoğlu	IN CLASS
10:40-11:30	11:40-12:30	Cell death and molecular mechanisms	Dr. Mustafa Akkiprik	MU UZEM

12:40-13:30	13:40-14:30	Molecular transmission of genetic information	Dr. Ergül Mutlu Altundağ	IN CLASS
13:40-14:30	14:40-15:30	Molecular transmission of genetic information	Dr. Ergül Mutlu Altundağ	IN CLASS
14:40-15:30	15:40-16:30	Designing research	Dr. İlke Akçay	IN CLASS
15:40-16:30	16:40-17:30	Types of data	Dr. İlke Akçay	IN CLASS
Wednesday		10 November		
08:40-09:30	09:40-10:30	10 KASIM ATATÜRK'Ü ANMA TÖRENİ		
09:40-10:30	10:40-11:30			
10:40-11:30	11:40-12:30	PBL-2	Dr. Mümtaz Güran Dr. Maryam Norouzbahari Dr. Gülcem Altınoğlu Dr. Mete Özkoç Inst. Gizem Şanlıtürk	IN CLASS
11:40-12:30	12:40-13:30			
13:40-14:30	14:40-15:30	ICS-1-First Aid: Aims of First Aid, Primary Survey of the area and assessment of the victim	Dr. Bülent Sezgin	IN CLASS
14:40-15:30	15:40-16:30	ICS-1-First Aid: Aims of First Aid, Primary Survey of the area and assessment of the victim	Dr. Bülent Sezgin	IN CLASS
15:40-16:30	16:40-17:30	ICS-1-First Aid: Bleeding	Dr. Nilüfer Güzoğlu	IN CLASS
16:40-17:30	17:40-18:30	ICS-1-First Aid: Bleeding	Dr. Nilüfer Güzoğlu	IN CLASS
Thursday		11 November		
08:40-09:30	09:40-10:30	Chromosome structure, function and anomalies	Dr.Adil Şeytanoğlu	IN CLASS
09:40-10:30	10:40-11:30	Chromosome structure, function and anomalies	Dr.Adil Şeytanoğlu	IN CLASS
10:40-11:30	11:40-12:30	ICS-1 Research: Announcement of Research Groups and mentors	Dr. İlke Akçay	IN CLASS
11:40-12:30	12:40-13:30	ICS-1 Research: Group Warm-up activities	Dr. İlke Akçay	IN CLASS
13:40-14:30	14:40-15:30	Thermochemistry (chemical energetics)	Dr. Huriye İcil	IN CLASS
14:40-15:30	15:40-16:30	Thermochemistry (chemical energetics)	Dr. Huriye İcil	IN CLASS

15:40-16:30	16:40-17:30	Cellular effects of tobacco use	Dr. Ela Erdem Eralp	MU UZEM
16:40-17:30	17:40-18:30	Cellular effects of tobacco use	Dr. Ela Erdem Eralp	MU UZEM
Friday		12 November		
08:40-09:30	09:40-10:30	Histology LAB: Cell types - Group A	Dr. Masoud Afshani	
09:40-10:30	10:40-11:30	Histology LAB: Cell types - Group A	Dr. Masoud Afshani	
10:40-11:30	11:40-12:30	Histology LAB: Cell types - Group B	Dr. Masoud Afshani	
11:40-12:30	12:40-13:30	Histology LAB: Cell types - Group B	Dr. Masoud Afshani	
13:40-14:30	14:40-15:30	Histology LAB: Cell division - Group A	Dr. Masoud Afshani	
14:40-15:30	15:40-16:30	Histology LAB: Cell division - Group A	Dr. Masoud Afshani	
15:40-16:30	16:40-17:30	Histology LAB: Cell division - Group B	Dr. Masoud Afshani	
16:40-17:30	17:40-18:30	Histology LAB: Cell division - Group B	Dr. Masoud Afshani	
7th Week (15-19 November 2021)				
Cyprus local time	Turkey local time			
Monday		15 November		
08:40-09:30	09:40-10:30	THE REPUBLIC DAY OF TRNC		
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			
14:40-15:30	15:40-16:30			
15:40-16:30	16:40-17:30			
16:40-17:30	17:40-18:30			
Tuesday		16 November		
08:40-09:30	09:40-10:30	Solubility and complex ion equilibrium	Dr. Huriye İcil	IN CLASS

09:40-10:30	10:40-11:30	Solubility and complex ion equilibrium	Dr. Huriye İcil	IN CLASS
10:40-11:30	11:40-12:30	Regulation of gene expression	Dr. Adil Şeytanoğlu	IN CLASS
11:40-12:30	12:40-13:30	Regulation of gene expression	Dr. Adil Şeytanoğlu	IN CLASS
13:40-14:30	14:40-15:30	PBL-3	Dr. Mümtaz Güran Dr. Maryam Norouzbahari	IN CLASS
14:40-15:30	15:40-16:30	PBL-3	Dr. Gülcem Altınoğlu Dr. Mete Özkoç Inst. Gizem Şanlıtürk	
15:40-16:30	16:40-17:30	Mechanism of signal transduction	Dr. Saime Batirel	MS Teams
16:40-17:30	17:40-18:30	Mechanism of signal transduction	Dr. Saime Batirel	MS Teams
Wednesday		17 November		
08:40-09:30	09:40-10:30	Electrochemistry: oxidation and reduction	Dr. Huriye İcil	IN CLASS
09:40-10:30	10:40-11:30	Electrochemistry: oxidation and reduction	Dr. Huriye İcil	IN CLASS
10:40-11:30	11:40-12:30	Atatürk's Principles and History of Modern Turkey	Dr. Turgay Bülent Göktürk	MS Teams
11:40-12:30	12:40-13:30	Atatürk's Principles and History of Modern Turkey	Dr. Turgay Bülent Göktürk	MS Teams
13:40-14:30	14:40-15:30	ICS-1-First Aid: Head and Neck injuries and Seizures and Stroke	Dr. Amber Eker	IN CLASS
14:40-15:30	15:40-16:30	ICS-1-First Aid: Head and Neck injuries and Seizures and Stroke	Dr. Amber Eker	IN CLASS
15:40-16:30	16:40-17:30	ICS-1-First Aid: Heat and Cold Emergencies	Dr. Didem Rıfki	IN CLASS
16:40-17:30	17:40-18:30	ICS-1-First Aid: Shock & Various Emergencies	Dr. Didem Rıfki	IN CLASS
Thursday		18 November		
08:40-09:30	09:40-10:30	ICS-1-First Aid: Common Medical Emergencies	Dr. Bülent Sezgin	IN CLASS
09:40-10:30	10:40-11:30	ICS-1-First Aid: Musculoskeletal Injuries	Dr. Bülent Sezgin	IN CLASS
10:40-11:30	11:40-12:30	ICS-1-First Aid: Burns	Dr. Nilüfer Güzoğlu	IN CLASS

11:40-12:30	12:40-13:30	ICS-1-First Aid: Poisoning, Bites	Dr. Nilüfer Güzoğlu	IN CLASS
13:40-14:30	14:40-15:30	STUDY TIME		
14:40-15:30	15:40-16:30	STUDY TIME		
15:40-16:30	16:40-17:30	ICS-1-First Aid: Cardiopulmonary Resuscitation and Choking (pediatric)	Dr. Nilüfer Güzoğlu	IN CLASS
16:40-17:30	17:40-18:30	ICS-1-First Aid: Cardiopulmonary Resuscitation and Choking (pediatric)	Dr. Nilüfer Güzoğlu	IN CLASS
Friday		19 November		
08:40-09:30	09:40-10:30	ICS-1-First Aid Lab: CPR, Practice&Assessment	Dr. Bülent Sezgin Dr. Nilüfer Güzoğlu Dr. Amber Eker Dr. Eren Sakallı Dr. Ayşe Atasoylu	ICS Lab.
09:40-10:30	10:40-11:30	ICS-1-First Aid Lab: CPR, Practice&Assessment		
10:40-11:30	11:40-12:30	ICS-1-First Aid Lab: CPR, Practice&Assessment		
11:40-12:30	12:40-13:30	ICS-1-First Aid Lab: CPR, Practice&Assessment		
13:40-14:30	14:40-15:30	ICS-1-First Aid Lab: CPR, Practice&Assessment	Dr. Bülent Sezgin Dr. Nilüfer Güzoğlu Dr. Amber Eker Dr. Eren Sakallı Dr. Ayşe Atasoylu	ICS Lab.
14:40-15:30	15:40-16:30	ICS-1-First Aid Lab: CPR, Practice&Assessment		
15:40-16:30	16:40-17:30	ICS-1-First Aid Lab: CPR, Practice&Assessment		
16:40-17:30	17:40-18:30	ICS-1-First Aid Lab: CPR, Practice&Assessment		
8th Week (22-26 November 2021)				
Cyprus local time	Turkey local time			
Monday		22 November		
08:40-09:30	09:40-10:30	Turkish for Medical Students-I (Foreign Students)	Inst. Şerife Ç. Sökmez	IN CLASS
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	IN CLASS
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 Inst. Deren Çeker	IN CLASS
16:40-17:30	17:40-18:30			
Tuesday		23 November		
07:40-08:30	08:40-09:30	STUDY TIME		
08:40-09:30	09:40-10:30	PBL-4	Dr. Mümtaz Güran Dr. Maryam Norouzbahari Dr. Gülcem Altınoğlu Dr. Mete Özkoç Inst. Gizem Şanlıtürk	IN CLASS
09:40-10:30	10:40-11:30	Molecular basis of disease	Dr. Mustafa Akkiprik	MU UZEM
10:40-11:30	11:40-12:30	Cytogenetics	Dr. Bilgen Bilge Geçkinli	MU UZEM
12:40-13:30	13:40-14:30	Biochemistry LAB: Urease - Group A	Dr. Ergül Mutlu Altundağ	IN CLASS
13:40-14:30	14:40-15:30	Biochemistry LAB: Urease - Group A	Dr. Ergül Mutlu Altundağ	IN CLASS
14:40-15:30	15:40-16:30	Biochemistry LAB: Urease - Group A	Dr. Ergül Mutlu Altundağ	IN CLASS
15:40-16:30	16:40-17:30	Biochemistry LAB: Urease - Group A	Dr. Ergül Mutlu Altundağ	IN CLASS
Wednesday		24 November		
08:40-09:30	09:40-10:30	Describing the data with graphics	Dr. İlke Akçay	IN CLASS
09:40-10:30	10:40-11:30	Describing the data with numbers	Dr. İlke Akçay	IN CLASS
10:40-11:30	11:40-12:30	Atatürk's Principles and History of Modern Turkey	Dr. Turgay Bülent Göktürk	MS Teams
11:40-12:30	12:40-13:30	Atatürk's Principles and History of Modern Turkey	Dr. Turgay Bülent Göktürk	MS Teams

13:40-14:30	14:40-15:30	The impact of Haydarpaşa Campus in Turkish Medical History	Dr. Gürkan Sert	IN CLASS
14:40-15:30	15:40-16:30	Turning points in History of Medicine	Dr. Gürkan Sert	IN CLASS
15:40-16:30	16:40-17:30	Turning points in History of Medicine	Dr. Gürkan Sert	IN CLASS
16:40-17:30	17:40-18:30	History of Physiology	Dr. Gürkan Sert	IN CLASS
Thursday		25 November		
08:40-09:30	09:40-10:30	Evolution of the concept of infection	Dr. Gürkan Sert	IN CLASS
09:40-10:30	10:40-11:30	History of human experimentation	Dr. Gürkan Sert	IN CLASS
10:40-11:30	11:40-12:30	History of medical professionalism	Dr. Gürkan Sert	IN CLASS
11:40-12:30	12:40-13:30	History of Medicine in Turkish Republic	Dr. Gürkan Sert	IN CLASS
13:40-14:30	14:40-15:30	Biochemistry LAB: Urease - Group B	Dr. Ergül Mutlu Altundağ	IN CLASS
14:40-15:30	15:40-16:30	Biochemistry LAB: Urease - Group B	Dr. Ergül Mutlu Altundağ	IN CLASS
15:40-16:30	16:40-17:30	Biochemistry LAB: Urease - Group B	Dr. Ergül Mutlu Altundağ	IN CLASS
16:40-17:30	17:40-18:30	Biochemistry LAB: Urease - Group B	Dr. Ergül Mutlu Altundağ	IN CLASS
Friday		26 November		
08:40-09:30	09:40-10:30	Posttranscriptional and posttranslational modifications	Dr. Ergül Mutlu Altundağ	IN CLASS
09:40-10:30	10:40-11:30	Posttranscriptional and posttranslational modifications	Dr. Ergül Mutlu Altundağ	IN CLASS
10:40-11:30	11:40-12:30	Detection of nucleic acids	Dr. Adil Şeytanoğlu	IN CLASS
11:40-12:30	12:40-13:30	Tools of cell biology	Dr. Adil Şeytanoğlu	IN CLASS
13:40-14:30	14:40-15:30	Structure of proteins	Dr. Huriye İcil	IN CLASS
14:40-15:30	15:40-16:30	High energy compounds	Dr. Huriye İcil	IN CLASS
15:40-16:30	16:40-17:30	Structure of lipids	Dr. Huriye İcil	IN CLASS
16:40-17:30	17:40-18:30	Structure of carbohydrates	Dr. Huriye İcil	IN CLASS
9th Week (29 November-03 December 2021)				

Cyprus local time	Turkey local time			
Monday		29 November		
08:40-09:30	09:40-10:30	STUDY TIME		
09:40-10:30	10:40-11:30	STUDY TIME		
10:40-11:30	11:40-12:30	STUDY TIME		
11:40-12:30	12:40-13:30	STUDY TIME		
13:40-14:30	14:40-15:30	STUDY TIME		
14:40-15:30	15:40-16:30	STUDY TIME		
15:40-16:30	16:40-17:30	STUDY TIME		
16:40-17:30	17:40-18:30	STUDY TIME		
Tuesday		30 November		
7:40-08:30	08:40-09:30	STUDY TIME		
08:40-09:30	09:40-10:30	STUDY TIME		
09:40-10:30	10:40-11:30	STUDY TIME		
10:40-11:30	11:40-12:30	STUDY TIME		
12:40-13:30	13:40-14:30	STUDY TIME		
13:40-14:30	14:40-15:30	STUDY TIME		
14:40-15:30	15:40-16:30	STUDY TIME		
15:40-16:30	16:40-17:30	STUDY TIME		
Wednesday		01 December		
7:40-08:30	08:40-09:30	STUDY TIME		
08:40-09:30	09:40-10:30	STUDY TIME		
09:40-10:30	10:40-11:30	STUDY TIME		
10:40-11:30	11:40-12:30	STUDY TIME		
12:40-13:30	13:40-14:30	STUDY TIME		

13:40-14:30	14:40-15:30	STUDY TIME		
14:40-15:30	15:40-16:30	STUDY TIME		
15:40-16:30	16:40-17:30	STUDY TIME		
Thursday		02 December		
7:40-08:30	08:40-09:30	STUDY TIME		
08:40-09:30	09:40-10:30	STUDY TIME		
09:40-10:30	10:40-11:30	STUDY TIME		
10:40-11:30	11:40-12:30	STUDY TIME		
12:40-13:30	13:40-14:30	STUDY TIME		
13:40-14:30	14:40-15:30	STUDY TIME		
14:40-15:30	15:40-16:30	STUDY TIME		
15:40-16:30	16:40-17:30	STUDY TIME		
Friday		03 December		
7:40-08:30	08:40-09:30	Y1C1 THEORETICAL EXAM	Ergül MUTLU ALTUNDAĞ	
08:40-09:30	09:40-10:30		Hatice EFEKAN	
09:40-10:30	10:40-11:30		Berfu ÇERÇİ ÖNGÜN	
10:40-11:30	11:40-12:30		Bihter İKİZ Metem ÖZKOÇ İlke ÇETİN AKÇAY	
12:40-13:30	13:40-14:30	Committee Exam Feedback Session	Dr. Ergül Mutlu Altundağ	
13:40-14:30	14:40-15:30		Dr. Eren Sakallı	
14:40-15:30	15:40-16:30			
15:40-16:30	16:40-17:30			