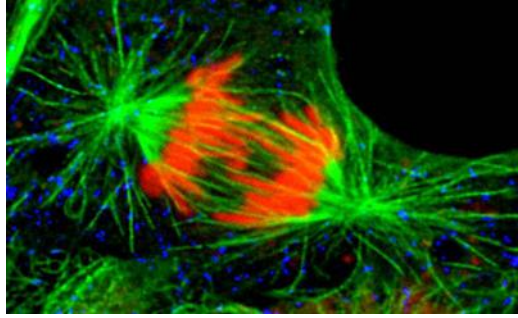


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**MARMARA UNIVERSITY
EASTERN MEDITERRANEAN UNIVERSITY
INTERNATIONAL MEDICAL SCHOOL**



**INTRODUCTION TO CELL AND CELLULAR REPLICATION
YEAR 1 COURSE 1
October 3rd, 2022 – December 01st, 2022**

Year 1 Coordinators

Prof. Mustafa AKKİPRİK & Prof. Dilek AKAKIN & Assist. Prof. Ergül MUTLU ALTUNDAĞ

PBL Module Coordinator
Prof. Rezzan Gülhan
Assist. Prof. Bülent SEZGİN

Coordinator of Multidisciplinary Students' Lab.
Prof. Betül YILMAZ
Assist. Prof. Ergül MUTLU ALTUNDAĞ

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. Ayşen ŞEKERİM

Chief Coordinator
Prof. Hasan R. YANANLI
Assist. Prof. Masoud AFSHANI

Coordinator of Medical Education Program Evaluation and Development Commission
Prof. Harika ALPAY

Coordinator of the Joint Program

Prof. Süleyman Ümit ŞEHİRLİ

Dean (EMU)
Prof. Nahide GÖKÇORA

Dean (MU)
Prof. Süleyman Ümit ŞEHİRLİ

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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

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INTRODUCTION TO CELL AND CELLULAR REPLICATION	
AIM and LEARNING OBJECTIVES of COURSE	
<p>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.</p> <p>Learning Objectives: At the end of this committee, students will,</p> <ul style="list-style-type: none"> • 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	PROGRAM EVALUATION
<p>Module examination: Written exam at the end of module (10 % of final score)</p> <p>Practical examination: Practical exams at the end of course</p> <p>Course examination: Written exam at the end of course</p>	<p>Evaluation at the end of the course, is done both orally and by using structured evaluation forms</p>
DEPARTMENTS PARTICIPATING IN COURSE-1 & MODULE-1	
<ul style="list-style-type: none"> • Biochemistry • Biophysics • Biostatistics • Chemistry • Histology & Embryology 	<ul style="list-style-type: none"> • Medical Biology • Medical Genetics • Medical History and Ethics • Pediatrics
LECTURERS / TUTORS	
<p>Adil Şeytanoğlu, Assist. Prof., Molecular Biology and Genetics</p> <p>Amber Eker, Assoc. Prof., Neurology</p> <p>Aslı Gönenç, Inst., Medical English</p> <p>Ayşe Atasoylu, Inst., Advanced Physical Exam Skills& Intro to Clinical Reasoning</p> <p>Ayşe Kozansoy, Inst., Medical English</p> <p>Bilgen Bilge Geçkinli, Assoc. Prof., Medical Genetics</p> <p>Bülent Sezgin, Assist. Professor of Internal Medicine</p> <p>Cemal Gürkan, Inst., Dr., Forensic Sciences</p> <p>Cevdet Nacar, Assist. Prof., Biophysics</p> <p>Deren Çeker, Inst., Dr., Medical Anthropology</p> <p>Emine Özereç, Inst., Turkish Language</p> <p>Ergül Mutlu Altundağ, Assist., Prof., Medical Biochemistry</p> <p>Feriha Ercan, Prof., Histology and Emrbyology</p> <p>Goncagül Haklar, Prof., Medical Biochemistry</p> <p>Gürkan Sert, Assoc. Prof., Medical Ethics</p> <p>Halil Eren Sakallı, Assist. Prof., Pharmacology</p>	<p>Huriye İcil, Prof., Chemistry</p> <p>İlke Akçay, Assist. Prof., Biostatistics</p> <p>Masoud Afshani, Assist. Prof., Histology and Embryology</p> <p>Mustafa Akkiprik, Prof., Medical Biology</p> <p>Nilüfer Güzoğlu, Assoc. Prof., Neonatology</p> <p>Maryam Norouzabahari, Inst. Dr., PBL</p> <p>Mustafa Batibeniz, Inst., Arts and Crafts</p> <p>Önder Şirikçi, Prof., Medical Biochemistry</p> <p>Pınar Mega TİBER, Assoc. Professor of Biophysics</p> <p>Saime Batirel, Assoc. Prof., Medical Biochemistry</p> <p>Serap Şirvanci, Prof., Histology and Embryology</p> <p>Şerife Ç. Sökmez, Inst., Turkish Language</p> <p>Turgay Bülent Göktürk, Assist. Professor of Atatürk's Principles and History of Modern Turkey</p>
READING / STUDYING MATERIALS	
<ul style="list-style-type: none"> • 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, Gartner, Hiatt, WB Saunders 	

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- Harper's Biochemistry, Murray, Granner, 23rd Ed., Lange
- Histology: A Text and Atlas, Ross, Romwell, 3rd, Lippincott
- History of Medicine Ders Notları, Şefik Görkey
- Leninger 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.

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SUMMARY OF THE COURSE 1.1			
Discipline	Lecture & Group Discussion	Multidisciplinary Lab. & Clinical Skills Lab. Practice	Total
Biochemistry	25	8	33
Biophysics	5		5
Biostatistics	6		6
Chemistry	20		20
Histology and Embryology	7	4	11
Medical Biology	31		31
Medical Genetics	1		1
Medical History and Ethics	11		11
Subtotal	106	12	118
PBL Module	11		11
ICS-1: Introduction to Student Research and Computer Skills	4	3	7
ICS-1: First aid	16	8	24
ENGL131 - Medical English	14		14
HIST180 - Atatürk's Principles and the History of Turkish Renovation (for Turkish students)	14		14
TFMS101 – Turkish for Medical Students-I (Foreign Students)	22		22
TFMS101 - Turkish for Medical Students-I (Interactive session)	10		10
Elective Courses MDCN181, MDCN182, MDCN125	12		12
TOTAL	209	23	232

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	THEORETICAL AND PRACTICAL SESSIONS	LECTURER/TUTOR	LECTURE PLATFORM
1st Week (03 October – 07 October 2022)			
Monday	03 October		
08:40-09:30	STUDY TIME		
09:40-10:30	Opening and White- Coat Ceremony		
10:40-11:30			
11:40-12:30			
13:40-14:30	STUDY TIME		
14:40-15:30	STUDY TIME		
15:40-16:30	STUDY TIME		
16:40-17:30	STUDY TIME		
Tuesday	04 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	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	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	05 October		
08:40-09:30	STUDY TIME		
09:40-10:30	STUDY TIME		

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10:40-11:30	STUDY TIME		
11:40-12:30	STUDY TIME		
13:40-14:30	STUDY TIME		
14:40-15:30	STUDY TIME		
15:40-16:30	STUDY TIME		
16:40-17:30	STUDY TIME		
Thursday	06 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	Origin of life	Dr.Adil Şeytanoğlu	IN CLASS
15:40-16:30	Molecular recognition process	Dr.Adil Şeytanoğlu	IN CLASS
16:40-17:30	Cellular organisation of life	Dr.Adil Şeytanoğlu	IN CLASS
Friday	07 October		
08:40-09:30	Atoms and atomic theory, atomic properties and periodic table	Dr. Huriye İcil	IN CLASS
09:40-10:30	Chemical bonds: ionic and covalent	Dr. Huriye İcil	IN CLASS
10:40-11:30	Cellular organisation of life	Dr.Adil Şeytanoğlu	IN CLASS
11:40-12:30	Cell cycle	Dr.Adil Şeytanoğlu	IN CLASS
13:40-14:30	Biomolecules and water	Dr. Önder Şirikçi	MS TEAMS
14:40-15:30	Biomolecules and water	Dr. Önder Şirikçi	MS TEAMS
15:40-16:30	Solubility, pH and buffers	Dr. Önder Şirikçi	MS TEAMS
16:40-17:30	Solubility, pH and buffers	Dr. Önder Şirikçi	MS TEAMS

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2nd Week (10 October – 14 October 2022)			
Monday	10 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)	Inst. Aslı Gönenç 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. Mustafa Batıbeniz Inst. Deren Çeker	IN CLASS
16:40-17:30			
Tuesday	11 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	MS TEAMS
11:40-12:30	Atatürk's Principles and History of Modern Turkey	Dr. Turgay Bülent Göktürk	MS TEAMS
13:40-14:30	Chemical reactions and equilibrium	Dr. Huriye İcil	IN CLASS
14:40-15:30	Chemical reactions and equilibrium	Dr. Huriye İcil	IN CLASS
15:40-16:30	ICS-1 : Introduction	Dr. İlke Akçay Dr. Bülent Sezgin	IN CLASS
16:40-17:30	ICS-1 Research: Introduction to ICS-Research	Dr. İlke Akçay	IN CLASS
Wednesday	12 October		
08:40-09:30	STUDY TIME		
09:40-10:30	STUDY TIME		
10:40-11:30	Histotechniques	Dr. Serap Şirvancı	MS TEAMS
11:40-12:30	PBL Orientation	Dr. Nilüfer Güzoğlu	IN CLASS

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13:40-14:30	PBL Orientation	Dr. Nilüfer Güzoğlu	IN CLASS
14:40-15:30	PBL Orientation	Dr. Nilüfer Güzoğlu	IN CLASS
15:40-16:30	Microscope	Dr. Masoud Afshani	IN CLASS
16:40-17:30	Microscope	Dr. Masoud Afshani	IN CLASS
Thursday	13 October		
08:40-09:30	STUDY TIME		
09:40-10:30	Structure of nucleic acids	Dr. Ergül Mutlu Altundağ	IN CLASS
10:40-11:30	Cellular organelles and inclusions at LM and EM level	Dr. Masoud Afshani	IN CLASS
11:40-12:30	Cellular organelles and inclusions at LM and EM level	Dr. Masoud Afshani	IN CLASS
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	Cell division kinetics	Dr. Adil Şeytanoğlu	IN CLASS
16:40-17:30	Nucleic acids	Dr. Adil Şeytanoğlu	IN CLASS
Friday	14 October		
08:40-09:30	Packaging chromosomal DNA	Dr. Adil Şeytanoğlu	IN CLASS
09:40-10:30	Chromosome structure, function and anomalies	Dr. Adil Şeytanoğlu	IN CLASS
10:40-11:30	PBL-1	Dr. Eda Becer Dr. Mümtaz Güran Dr. Ergül Altundağ	IN CLASS
11:40-12:30	PBL-1	Dr. Maryam Norouzabahari Inst. Gizem Şanlıtürk Inst. Katriye Komili	
13:40-14:30	Acids and bases	Dr. Huriye İcil	IN CLASS
14:40-15:30	Acids and bases	Dr. Huriye İcil	IN CLASS
15:40-16:30	STUDY TIME		
16:40-17:30	STUDY TIME		

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3rd Week (17 October – 21 October 2022)			
Monday	17 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)	Inst. Aslı Gönenç Inst. Ayşe Kozansoy	IN CLASS
14:40-15:30			
15:40-16:30	STUDY TIME		
16:40-17:30	STUDY TIME		
Tuesday	18 October		
08:40-09:30	DNA replication	Dr.Adil Şeytanoğlu	IN CLASS
09:40-10:30	DNA replication	Dr.Adil Şeytanoğlu	IN CLASS
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	Amino acids	Dr. Önder Şirikçi	IN CLASS
14:40-15:30	Amino acids	Dr. Önder Şirikçi	IN CLASS
15:40-16:30	Structure of carbohydrates	Dr. Önder Şirikçi	IN CLASS
16:40-17:30	Structure of carbohydrates	Dr. Önder Şirikçi	IN CLASS
Wednesday	19 October		
08:40-09:30	Y2C1 THEORETICAL EXAM		
09:40-10:30			
10:40-11:30			
11:40-12:30			

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13:40-14:30	Structure of lipids	Dr. Goncagül Haklar	MS TEAMS
14:40-15:30	Structure of lipids	Dr. Goncagül Haklar	MS TEAMS
15:40-16:30	Information content of DNA	Dr. Cevdet Nacar	MS TEAMS
16:40-17:30	STUDY TIME		
Thursday	20 October		
08:40-09:30	Y3C1 THEORETICAL EXAM		
09:40-10:30			
10:40-11:30			
11:40-12:30			
13:40-14:30	ICS-1 Research: Philosophy of Research and Scientific Approach	Dr. İlke Akçay	IN CLASS
14:40-15:30	ICS-1 Research: Global look to different research designs	Dr. İlke Akçay	IN CLASS
15:40-16:30	DNA Repair	Dr.Adil Şeytanoğlu	IN CLASS
16:40-17:30	Recombination	Dr.Adil Şeytanoğlu	IN CLASS
Friday	21 October		
08:40-09:30	RNA synthesis and processing	Dr.Adil Şeytanoğlu	IN CLASS
09:40-10:30	Protein synthesis	Dr.Adil Şeytanoğlu	IN CLASS
10:40-11:30	Introduction to biophysics	Dr. Pınar Mega Tiber	IN CLASS
11:40-12:30	Fundamentals of biomechanics	Dr. Pınar Mega Tiber	IN CLASS
13:40-14:30	Fundamentals of biomechanics	Dr. Pınar Mega Tiber	IN CLASS
14:40-15:30	Energy, heat, work and power of the body	Dr. Pınar Mega Tiber	IN CLASS
15:40-16:30	Chemical kinetics and reaction mechanism	Dr. Huriye İcil	IN CLASS
16:40-17:30	Chemical kinetics and reaction mechanism	Dr. Huriye İcil	IN CLASS
4th Week (24 October – 28 October 2022)			
Monday	24 October		

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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)	Inst. Aslı Gönenç	IN CLASS
14:40-15:30		Inst. Ayşe Kozansoy	
15:40-16:30	Elective Courses (MDCN-181-Forensic Sciences) (MDCN-182-Art and Craft) (MDCN-125-Medical Anthropology)	Dr. Cemal Gürkan	IN CLASS
16:40-17:30		Inst. Mustafa Batbeniz Inst. Deren Çeker	
Tuesday	25 October		
08:40-09:30	Thermochemistry (chemical energetics)	Dr. Huriye İcil	IN CLASS
09:40-10:30	Thermochemistry (chemical energetics)	Dr. Huriye İcil	IN CLASS
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	Histology LAB: Cell types - Group A	Dr. Masoud Afshani	IN CLASS
14:40-15:30	Histology LAB: Cell types - Group A	Dr. Masoud Afshani	IN CLASS
15:40-16:30	Histology LAB: Cell types - Group B	Dr. Masoud Afshani	IN CLASS
16:40-17:30	Histology LAB: Cell types - Group B	Dr. Masoud Afshani	IN CLASS
Wednesday	26 October		
08:40-09:30	STUDY TIME		
09:40-10:30	STUDY TIME		
10:40-11:30	Nucleus and cell division	Dr. Feriha Ercan	IN CLASS
11:40-12:30	Nucleus and cell division	Dr. Feriha Ercan	IN CLASS
13:40-14:30	Histology LAB: Cell division - Group A	Dr. Feriha Ercan Dr. Masoud Afshani	IN CLASS
14:40-15:30	Histology LAB: Cell division - Group A	Dr. Feriha Ercan	IN CLASS

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		Dr. Masoud Afshani	
15:40-16:30	Histology LAB: Cell division - Group B	Dr. Feriha Ercan Dr. Masoud Afshani	IN CLASS
16:40-17:30	Histology LAB: Cell division - Group B	Dr. Feriha Ercan Dr. Masoud Afshani	IN CLASS
Thursday	27 October		
08:40-09:30	Designing research	Dr. İlke Akçay	IN CLASS
09:40-10:30	Types of data	Dr. İlke Akçay	IN CLASS
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	Protein synthesis	Dr.Adil Şeytanoğlu	IN CLASS
14:40-15:30	Regulation of gene expression	Dr.Adil Şeytanoğlu	IN CLASS
15:40-16:30	Regulation of gene expression	Dr.Adil Şeytanoğlu	IN CLASS
16:40-17:30	STUDY TIME		
Friday	28 October		
08:40-09:30	Solubility and complex ion equilibrium	Dr. Huriye İcil	IN CLASS
09:40-10:30	Solubility and complex ion equilibrium	Dr. Huriye İcil	IN CLASS
10:40-11:30	PBL-2	Dr. Eda Becer Dr. Mümtaz Güran Dr. Ergül Altundağ Dr. Maryam Norouzabahari	IN CLASS
11:40-12:30	PBL-2	Inst. Gizem Şanlıtürk Inst. Katriye Komili	
13:40-14:30	STUDY TIME		
14:40-15:30	Introduction to Human Genetics	Dr.Adil Şeytanoğlu	IN CLASS
15:40-16:30	Genes and heredity	Dr.Adil Şeytanoğlu	IN CLASS
16:40-17:30	Factors Affecting Single Gene Inheritance Patterns	Dr.Adil Şeytanoğlu	IN CLASS

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		5th Week (31 October – 04 November 2022)		
Cyprus Local Time	Turkey Local Time			
Monday		31 October		
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)	Inst. Aslı Gönenç 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. Mustafa Batıbeniz Inst. Deren Çeker	IN CLASS
16:40-17:30	17:40-18:30			
Tuesday		01 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	Describing the data with graphics	Dr. İlke Akçay	IN CLASS
14:40-15:30	15:40-16:30	Describing the data with numbers	Dr. İlke Akçay	IN CLASS
15:40-16:30	16:40-17:30	STUDY TIME		
16:40-17:30	17:40-18:30	STUDY TIME		
Wednesday		02 November		
08:40-09:30	09:40-10:30	STUDY TIME		
09:40-10:30	10:40-11:30	Protein structure and function-1	Dr. Saime Batirel	IN CLASS
10:40-11:30	11:40-12:30	Protein structure and function-1	Dr. Saime Batirel	IN CLASS

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11:40-12:30	12:40-13:30	Protein structure and function-2	Dr. Saime Batirel	IN CLASS
13:40-14:30	14:40-15:30	Protein structure and function-2	Dr. Saime Batirel	IN CLASS
14:40-15:30	15:40-16:30	Enzymes: Introduction	Dr. Saime Batirel	IN CLASS
15:40-16:30	16:40-17:30	Enzymes: Introduction	Dr. Saime Batirel	IN CLASS
16:40-17:30	17:40-18:30	STUDY TIME		
Thursday		03 November		
08:40-09:30	09:40-10:30	Enzymes: Regulation	Dr. Saime Batirel	IN CLASS
09:40-10:30	10:40-11:30	Enzymes: Mechanism of action	Dr. Saime Batirel	IN CLASS
10:40-11:30	11:40-12:30	Enzymes: Mechanism of action	Dr. Saime Batirel	IN CLASS
11:40-12:30	12:40-13:30	Enzymes: Regulation	Dr. Saime Batirel	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	STUDY TIME		
16:40-17:30	17:40-18:30	STUDY TIME		
Friday		04 November		
08:40-09:30	09:40-10:30	Biochemistry LAB: Spectrophotometer - Group A	Dr. Ergül Mutlu Altundağ	IN CLASS
09:40-10:30	10:40-11:30	Biochemistry LAB: Spectrophotometer - Group A	Dr. Ergül Mutlu Altundağ	IN CLASS
10:40-11:30	11:40-12:30	Biochemistry LAB: Spectrophotometer - Group A	Dr. Ergül Mutlu Altundağ	IN CLASS
11:40-12:30	12:40-13:30	Biochemistry LAB: Spectrophotometer - Group A	Dr. Ergül Mutlu Altundağ	IN CLASS
13:40-14:30	14:40-15:30	PBL-3	Dr. Eda Becer Dr. Mümtaz Güran Dr. Ergül Altundağ Dr. Maryam Norouzbahari	IN CLASS
14:40-15:30	15:40-16:30	PBL-3	Inst. Gizem Şanlıtürk Inst. Katriye Komili	

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15:40-16:30	16:40-17:30	Genetic variation in populations	Dr.Adil Şeytanoğlu	IN CLASS
16:40-17:30	17:40-18:30	Student Club Orientations EMUSRC & EMUMSA		IN CLASS
6th Week (07 November – 11 November 2022)				
Cyprus Local Time	Turkey Local Time			
Monday		07 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)	Inst. Aslı Gönenç 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.Mustafa Batıbeniz Inst. Deren Çeker	IN CLASS
16:40-17:30	17:40-18:30			
Tuesday		08 November		
08:40-09:30	09:40-10:30	Structure of proteins	Dr. Huriye İcil	IN CLASS
09:40-10:30	10:40-11:30	High energy compounds	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 Research: Announcement of Research Groups and mentors	Dr. İlke Akçay	IN CLASS
14:40-15:30	15:40-16:30	ICS-1 Research: Group Warm-up activities	Dr. İlke Akçay	IN CLASS
15:40-16:30	16:40-17:30	Turkish For Medical Students-I (Interactive session)	Inst. Emine Özeriç	IN CLASS
16:40-17:30	17:40-18:30	Turkish For Medical Students-I (Interactive session)	Inst. Emine Özeriç	IN CLASS

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Wednesday		09 November		
08:40-09:30	09:40-10:30	Biochemistry LAB: Spectrophotometer - Group B	Dr. Ergül Mutlu Altundağ	IN CLASS
09:40-10:30	10:40-11:30	Biochemistry LAB: Spectrophotometer - Group B	Dr. Ergül Mutlu Altundağ	IN CLASS
10:40-11:30	11:40-12:30	Biochemistry LAB: Spectrophotometer - Group B	Dr. Ergül Mutlu Altundağ	IN CLASS
11:40-12:30	12:40-13:30	Biochemistry LAB: Spectrophotometer - Group B	Dr. Ergül Mutlu Altundağ	IN CLASS
13:40-14:30	14:40-15:30	Turkish For Medical Students-I (Interactive session)	Inst. Emine Özerinç	IN CLASS
14:40-15:30	15:40-16:30	Turkish For Medical Students-I (Interactive session)	Inst. Emine Özerinç	IN CLASS
15:40-16:30	16:40-17:30	Turkish For Medical Students-I (Interactive session)	Inst. Emine Özerinç	IN CLASS
16:40-17:30	17:40-18:30	STUDY TIME		
Thursday		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	STUDY TIME		
11:40-12:30	12:40-13:30	STUDY TIME		
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
16:40-17:30	17:40-18:30	Biochemistry LAB: Urease - Group A	Dr. Ergül Mutlu Altundağ	IN CLASS
Friday		11 November		
08:40-09:30	09:40-10:30	Biochemistry LAB: Urease - Group B	Dr. Ergül Mutlu Altundağ	IN CLASS

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		Turkish For Medical Students-I (Interactive session)	Inst. Emine Özeriç	IN CLASS
09:40-10:30	10:40-11:30	Biochemistry LAB: Urease - Group B	Dr. Ergül Mutlu Altundağ	IN CLASS
		Turkish For Medical Students-I (Interactive session)	Inst. Emine Özeriç	IN CLASS
10:40-11:30	11:40-12:30	Biochemistry LAB: Urease - Group B	Dr. Ergül Mutlu Altundağ	IN CLASS
		Turkish For Medical Students-I (Interactive session)	Inst. Emine Özeriç	IN CLASS
11:40-12:30	12:40-13:30	Biochemistry LAB: Urease - Group B	Dr. Ergül Mutlu Altundağ	IN CLASS
		Turkish For Medical Students-I (Interactive session)	Inst. Emine Özeriç	IN CLASS
13:40-14:30	14:40-15:30	PBL-4	Dr. Eda Becer Dr. Mümtaz Güran Dr. Ergül Altundağ Dr. Maryam Norouzabahari Inst. Gizem Şanlıtürk Inst. Katriye Komili	IN CLASS
14:40-15:30	15:40-16:30	PBL-4		
15:40-16:30	16:40-17:30	STUDY TIME		
16:40-17:30	17:40-18:30	STUDY TIME		
7th Week (14 November – 18 November 2022)				
Cyprus Local Time	Turkey Local Time			
Monday		14 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)	Inst. Aslı Göneç Inst. Ayşe Kozansoy	IN CLASS
14:40-15:30	15:40-16:30			
15:40-16:30	16:40-17:30	Elective Courses	Dr. Cemal Gürkan	IN CLASS

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16:40-17:30	17:40-18:30	(MDCN-181-Forensic Sciences) (MDCN-182-Art and Craft) (MDCN-125-Medical Anthropology)	Inst.Mustafa Batıbeniz Inst. Deren Çeker	
Tuesday		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			
Wednesday		16 November		
08:40-09:30	09:40-10:30	ICS-1-First Aid: Aims of First Aid, Primary Survey of the area and assessment of the victim	Dr.Bülent Sezgin	IN CLASS
09:40-10:30	10:40-11:30	ICS-1-First Aid: Aims of First Aid, Primary Survey of the area and assessment of the victim	Dr.Bülent Sezgin	IN CLASS
10:40-11:30	11:40-12:30	ICS-1-First Aid: Head and Neck injuries and Seizures and Stroke	Dr.Amber Eker	IN CLASS
11:40-12:30	12:40-13:30	ICS-1-First Aid: Head and Neck injuries and Seizures and Stroke	Dr.Amber Eker	IN CLASS
13:40-14:30	14:40-15:30	ICS-1-First Aid: Bleeding	Dr.Nilüfer Güzoğlu	IN CLASS
14:40-15:30	15:40-16:30	ICS-1-First Aid: Bleeding	Dr.Nilüfer Güzoğlu	IN CLASS
15:40-16:30	16:40-17:30	ICS-1-First Aid: Musculoskeletal Injuries	Dr.Bülent Sezgin	IN CLASS
16:40-17:30	17:40-18:30	ICS-1-First Aid: Musculoskeletal Injuries	Dr.Bülent Sezgin	IN CLASS
Thursday		17 November		
08:40-09:30	09:40-10:30	ICS-1-First Aid: Hot and Cold Emergencies and Shock	Dr.Ayşe Atasoylu	IN CLASS

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09:40-10:30	10:40-11:30	ICS-1-First Aid: Common Medical Emergencies	Dr.Ayşe Atasoylu	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	ICS-1-First Aid: CP Cardiopulmonary Resuscitation and Choking (adult)	Dr.Bülent Sezgin	IN CLASS
14:40-15:30	15:40-16:30	ICS-1-First Aid: CP Cardiopulmonary Resuscitation and Choking (adult)	Dr.Bülent Sezgin	IN CLASS
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		18 November		
08:40-09:3	09:40-10:30	ICS-1-First Aid Lab: CPR, Practice&Assessment	Dr.Nilüfer Güzoğlu Dr.Amber Eker Dr.Bülent Sezgin Dr.Ayşe Atasoylu Dr. Maryam Norouzahahari	IN CLASS
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.Nilüfer Güzoğlu Dr.Amber Eker Dr.Bülent Sezgin Dr.Ayşe Atasoylu Dr. Maryam Norouzahahari	IN CLASS
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 (21 November – 25 November 2022)				
Cyprus Local Time	Turkey Local Time			
Monday		21 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			

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13:40-14:30	14:40-15:30	Medical English (Gr 1 & Gr 2)	Inst. Aslı Gönenç 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. Mustafa Batıbeniz Inst. Deren Çeker	IN CLASS
16:40-17:30	17:40-18:30			
Tuesday		22 November		
08:40-09:30	09:40-10:30	Molecular transmission of genetic information	Dr. Ergül Mutlu Altundağ	IN CLASS
09:40-10:30	10:40-11:30	Molecular transmission of genetic information	Dr. Ergül Mutlu Altundağ	IN CLASS
10:40-11:30	11:40-12:30	Atatürk's Principles and History of Modern Turkey Exam	Dr. Turgay Bülent Göktürk	IN CLASS
11:40-12:30	12:40-13:30	Atatürk's Principles and History of Modern Turkey Exam	Dr. Turgay Bülent Göktürk	IN CLASS
13:40-14:30	14:40-15:30	Cell death and molecular mechanisms	Dr. Mustafa Akkiprik	MS TEAMS
14:40-15:30	15:40-16:30	Molecular basis of disease	Dr. Mustafa Akkiprik	MS TEAMS
15:40-16:30	16:40-17:30	Cytogenetics	Dr. Bilgen Bilge Geçkinli	MS TEAMS
16:40-17:30	17:40-18:30	STUDY TIME		
Wednesday		23 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	Introduction to history of medicine	Dr. Gürkan Sert	IN CLASS
11:40-12:30	12:40-13:30	Turning points in History of Medicine	Dr. Gürkan Sert	IN CLASS
13:40-14:30	14:40-15:30	Turning points in History of Medicine	Dr. Gürkan Sert	IN CLASS
14:40-15:30	15:40-16:30	History of Medicine in Seljukid and Ottoman Ages	Dr. Gürkan Sert	IN CLASS
15:40-16:30	16:40-17:30	History of Medicine in Turkish Republic	Dr. Gürkan Sert	IN CLASS

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16:40-17:30	17:40-18:30	STUDY TIME		
Thursday		24 November		
08:40-09:30	09:40-10:30	STUDY TIME		
09:40-10:30	10:40-11:30	History of Physiology	Dr. Gürkan Sert	IN CLASS
10:40-11:30	11:40-12:30	History of Anatomy	Dr. Gürkan Sert	IN CLASS
11:40-12:30	12:40-13:30	History of surgery	Dr. Gürkan Sert	IN CLASS
13:40-14:30	14:40-15:30	Evolution of the concept of infection	Dr. Gürkan Sert	IN CLASS
14:40-15:30	15:40-16:30	History of human experimentation	Dr. Gürkan Sert	IN CLASS
15:40-16:30	16:40-17:30	History of medical professionalism	Dr. Gürkan Sert	IN CLASS
16:40-17:30	17:40-18:30	STUDY TIME		
Friday		25 November		
08:40-09:30	09:40-10:30	Mutations and polymorphisms	Dr.Adil Şeytanoğlu	MS TEAMS
09:40-10:30	10:40-11:30	Mutations and polymorphisms	Dr.Adil Şeytanoğlu	MS TEAMS
10:40-11:30	11:40-12:30	Viruses, plasmids, transposable genetic elements	Dr.Adil Şeytanoğlu	MS TEAMS
11:40-12:30	12:40-13:30	Turkish For Medical Students-I (Interactive session)	Inst. Emine Özeriç	IN CLASS
13:40-14:30	14:40-15:30	Detection of nucleic acids	Dr.Adil Şeytanoğlu	MS TEAMS
14:40-15:30	15:40-16:30	Tools of cell biology	Dr.Adil Şeytanoğlu	MS TEAMS
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 (28 November – 02 December 2022)				
Cyprus Local Time	Turkey Local Time			
Monday		28 November		
08:40-09:30	09:40-10:30	STUDY TIME		
09:40-10:30	10:40-11:30	STUDY TIME		

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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		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		
Wednesday		30 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		

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Thursday		01 December		
08:40-09:30	09:40-10:30	Y1C1 THEORETICAL EXAM		
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			
Friday		02 December		
08:40-09:30	09:40-10:30			
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			