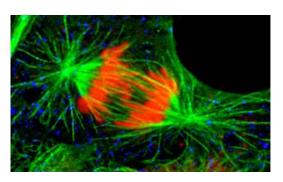


ıp Fakültesi

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			

Coordinator of Multidiciplinary Students' Lab. Prof. Betül YILMAZ

Assist. Prof. Bülent SEZGİN

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			
Asisst. Prof. Cevdet NACAR			

Assist. Prof. Halil Eren SAKALLI

Student Affairs

Asisst. Prof. Can ERZİK Inst. Ayşen ŞEKERİM

Chief Coordinator

Prof. Hasan R. YANANLI Assist. Prof. Masoud AFSHANİ

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

LEARNING OUTOMES / COMPETENCIES

A. Clinical Care: Qualified patient care and community oriented health care

- 1. Basic clinical skills
- 2. The organization and management of the patient and the patient care
- 3. The organization and the management of health care delivery services / system
- **4.** Health promotion and disease prevention

B. Medical Knowledge and Evidence-Based Medicine

- 5. Appropriate information retrieval and management skills
- 6. The integration of knowledge, critical thinking and evidence-based decision making
- 7. Scientific methods and basic research skills

C. Professional Attitudes and Values

- 8. Communication skills and effective communication with patients / patient relatives
- **9.** Interpersonal relationships and team working
- 10. Ethical and professional values, responsibilities
- 11. Individual, social and cultural values and responsibilities
- 12. Reflective practice and continuing development
- 13. Healthcare delivery systems, management and community oriented healthcare
- 14. Education and counseling

PHASE-1 LEARNING OBJECTIVES

- 1. Understanding the normal structures and functions of human body
- 2. Correlating the basic concepts and principles to each other that define health and disease; applying basic concepts and principles to health and disease conditions
- 3. Developing clinical problem solving, clinical reasoning and evaluation skills by integrating biomedical, clinical, social and humanities knowledge
- **4.** Gaining basic clinical skills by applications in simulated settings.
- 5. Awareness of the professional values in health and disease processes (professional, individual, societal) and acquisition necessary related skills
- **6.** Evaluating critically and synthesizing all the medical evidence and perform respecting scientific, professional and ethical values
- **7.** Acquisition skills in reflective thinking and practicing, being open to continuous individual / professional development.

PHASES – 1 THEMA/ORGAN SYSTEM-BASED COURSE PROGRAMS Year 1, Course 1: Introduction to Cell and Cellular Replication

Year 1, Course 2: Cellular Metabolism and Transport

Year 1, Course 3: Development and Organization of Human Body

Year 1, Course 4: Introduction to Nervous System and Human Behavior

Year 2, Course 1: Cell and Tissue Injury I

Year 2, Course 2: Cell and Tissue Injury II

Year 2, Course 3: Hematopoietic System and Related Disorders

Year 2, Course 4: Musculoskeletal, Integumentary Systems and Related Disorders

Year 2, Course 5: Respiratory System and Related Disorders

Year 3, Course 1: Cardiovascular System and Related Disorders

Year 3, Course 2: Gastrointestinal System, Metabolism and Related Disorders

Year 3, Course 3: Nervous System and Related Disorders

Year 3, Course: Growth, Development, Mental and Endocrine Disorders

Year 3, Course 5: Urinary and Reproductive System and Related Disorders

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, Assist. Prof., Molecular Biology and Genetics

Amber Eker, Assoc. Prof., Neurology

Aslı Gönenç, Inst., Medical English

Ayşe Atasoylu, Inst., Advanced Physical Exam Skills& Intro to

Clinical Reasoning

Ayşe Kozansoy, Inst., Medical English

Bilgen Bilge Geçkinli, Assoc. Prof., Medical Genetics

Bülent Sezgin, Assist. Professor of Internal Medicine

Cemal Gürkan, Inst., Dr., Forensic Sciences

Cevdet Nacar, Assist. Prof., Biophysics

Deren Çeker, Inst., Dr., Medical Anthropology

Emine Özerinç, Inst., Turkish Language

Ergül Mutlu Altundağ, Assist., Prof., Medical Biochemistry

Feriha Ercan, Prof., Histology and Emrbyology

Goncagül Haklar, Prof., Medical Biochemistry

Gürkan Sert, Assoc. Prof., Medical Ethics

Halil Eren Sakallı, Assist. Prof., Pharmacology

Huriye İcil, Prof., Chemistry

Ilke Akçay, Assist. Prof., Biostatistics

Masoud Afshani, Assist. Prof., Histology and Embryology

Mustafa Akkiprik, Prof., Medical Biology

Nilüfer Güzoğlu, Assoc. Prof., Neonatalogy

Maryam Norouzabahari, Inst. Dr., PBL

Mustafa Batibeniz, Inst., Arts and Crafts

Önder Şirikçi, Prof., Medical Biochemistry

Pınar Mega TİBER, Assoc. Professor of Biophysics

Saime Batırel, Assoc. Prof., Medical Biochemistry

Serap Şirvanci, Prof., Histology and Embryology

Şerife Ç. Sökmez , Inst., 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
- 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.

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	

	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				
10:40-11:30	Opening and White- Coat Ceremony			
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	odern Turkey Dr. Turgay Bülent Göktürk MS TEAN		
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			

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 TEAN		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			
09:40-10:30	Turkich for Modical Students L (Foreign Students)	Inst Carifa C Cälemas	IN CLASS
10:40-11:30	Turkish for Medical Students-I (Foreign Students)	Inst. Şerife Ç. Sökmez	IN CLASS
11:40-12:30			
13:40-14:30	Medical English (Gr 1 & Gr 2)	Inst. Aslı Gönenç	IN CLASS
14:40-15:30	Wedled English (of 1 & of 2)	Inst. Ayşe Kozansoy	IIV CLASS
15:40-16:30	Elective Courses (MDCN-181-Forensic Sciences)	Dr. Cemal Gürkan	
16:40-17:30	(MDCN-182-Art and Craft) (MDCN-125-Medical Anthropology)	Inst. Mustafa Batıbeniz Inst. Deren Çeker	IN CLASS
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	
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

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 organels and inclusions at LM and EM level	Dr. Masoud Afshani	IN CLASS
11:40-12:30	Cellular organels 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	Dr. Ergül Altundağ		IN CLASS
11:40-12:30	2:30 PBL-1 Dr. Maryam Norouzabahari Inst. Gizem Şanlıtürk Inst. Katriye Komili		IIV CEASS
48.45.55			0. 4
13:40-14:30	Acids and bases	Dr. Huriye İcil	IN CLASS
			IN CLASS
14:40-15:30	Acids and bases	Dr. Huriye İcil	IIV CLASS
	Acids and bases STUDY TIME	Dr. Huriye Icil	IIV CLASS

Monday 08:40-09:30	17 October						
08:40-09:30			17 October				
09:40-10:30							
10:40-11:30	Turkish for Medical Students-I (Foreign Students)	Inst. Şerife Ç. Sökmez	IN CLASS				
11:40-12:30							
13:40-14:30	Medical English (Gr 1 & Gr 2)	Inst. Aslı Gönenç	IN CLASS				
14:40-15:30	Wiedical English (of 1 & of 2)	Inst. Ayşe Kozansoy	IIV CLASS				
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							
09:40-10:30	V2C1 THEODETICAL EVANA						
10:40-11:30	Y2C1 THEORETICAL EXAM						
11:40-12:30							

Monday	24 October		
	4th Week (24 October – 28 Octo	bber 2022)	
10.40-17.30	Chemical kinetics and reaction mechanism Dr. Huriye İcil IN C		IN CLASS
15:40-16:30 16:40-17:30	Chemical kinetics and reaction mechanism Chemical kinetics and reaction mechanism	Dr. Huriye İcil IN CLASS	
14:40-15:30	Energy, heat, work and power of the body	Dr. Pınar Mega Tiber	IN CLASS
13:40-14:30	Fundamentals of biomechanics	Dr. Pınar Mega Tiber	IN CLASS
11:40-12:30	Fundamentals of biomechanics	Dr. Pınar Mega Tiber	IN CLASS
10:40-11:30	Introduction to biophysics	Dr. Pınar Mega Tiber	IN CLASS
09:40-10:30	Protein synthesis	Dr.Adil Şeytanoğlu	IN CLASS
08:40-09:30	RNA synthesis and processing	Dr.Adil Şeytanoğlu	IN CLASS
Friday	21 October		
16:40-17:30	Recombination Dr.Adil Şeytanoğlu		IN CLASS
15:40-16:30	DNA Repair	Dr.Adil Şeytanoğlu	IN CLASS
14:40-15:30	ICS-1 Research: Global look to different research designs Dr. İlke Akçay		IN CLASS
13:40-14:30	ICS-1 Research: Philosophy of Research and Scientific Approach	I Dr IIKE AKCAV	
11:40-12:30			
10:40-11:30	Y3C1 THEORETICAL EXAM		
09:40-10:30			
08:40-09:30			
Thursday	20 October		
16:40-17:30	STUDY TIME		
15:40-16:30			MS TEAMS
14:40-15:30	Structure of lipids Dr. Goncagül Haklar MS TEA		MS TEAMS

08:40-09:30				
09:40-10:30	Turkish for Medical Students-I (Foreign Students)	Inst. Şerife Ç. Sökmez	IN CLASS	
10:40-11:30	Turkish for Medical Students-1 (Foreign Students)	mst. şerne ç. sokmez		
11:40-12:30				
13:40-14:30	Modical English (Cr. 1. 9. Cr. 2)	Inst. Aslı Gönenç	IN CLASS	
14:40-15:30	Medical English (Gr 1 & Gr 2)	Inst. Ayşe Kozansoy	IN CLASS	
15:40-16:30	Elective Courses (MDCN-181-Forensic Sciences)	Dr. Cemal Gürkan Inst. Mustafa Batıbeniz	IN CLASS	
16:40-17:30	(MDCN-182-Art and Craft) (MDCN-125-Medical Anthropology)	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	

		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	IN CLASS
11:40-12:30	PBL-2	Norouzabahari 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

		5th Week (31 October – 04 November 2022)		
Cyprus Local Time	Turkey Local Time			
Mon	day	31 October		
08:40-09:30	09:40-10:30			
09:40-10:30	10:40-11:30	Turkish for Medical Students-I (Foreign	Inst. Şerife Ç. Sökmez	IN CLASS
10:40-11:30	11:40-12:30	Students)		IN CLASS
11:40-12:30	12:40-13:30			
13:40-14:30	14:40-15:30	Modical English (Cr. 1. 9. Cr. 2)	Inst. Aslı Gönenç	IN CLASS
14:40-15:30	15:40-16:30	Medical English (Gr 1 & Gr 2)	Inst. Ayşe Kozansoy	IN CLASS
15:40-16:30	16:40-17:30	Elective Courses	Dr. Cemal Gürkan	
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	IN CLASS
Tues	day	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		
Wedn	esday	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 Batırel	IN CLASS
10:40-11:30	11:40-12:30	Protein structure and function-1	Dr. Saime Batırel	IN CLASS

11:40-12:30	12:40-13:30	Protein structure and function-2	Dr. Saime Batırel	IN CLASS
13:40-14:30	14:40-15:30	Protein structure and function-2	Dr. Saime Batırel	IN CLASS
14:40-15:30	15:40-16:30	Enzymes: Introduction	Dr. Saime Batırel	IN CLASS
15:40-16:30	16:40-17:30	Enzymes: Introduction	Dr. Saime Batırel	IN CLASS
16:40-17:30	17:40-18:30	STUDY TIME		
Thurs	day	03 November		
08:40-09:30	09:40-10:30	Enzymes: Regulation	Dr. Saime Batırel	IN CLASS
09:40-10:30	10:40-11:30	Enzymes: Mechanism of action	Dr. Saime Batırel	IN CLASS
10:40-11:30	11:40-12:30	Enzymes: Mechanism of action	Dr. Saime Batırel	IN CLASS
11:40-12:30	12:40-13:30	Enzymes: Regulation	Dr. Saime Batırel	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		
Frid	ay	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	IN CLASS
14:40-15:30	15:40-16:30	PBL-3	Norouzabahari Inst. Gizem Şanlıtürk Inst. Katriye Komili	IIV CLASS

15.40 16:30				
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 – 1	1 November 2022)	
Cyprus Local Time	Turkey Local Time			
Mor	nday	07 November		
08:40-09:30	09:40-10:30			
09:40-10:30	10:40-11:30	Turkish for Medical Students-I (Foreign		
10:40-11:30	11:40-12:30	Students)	Inst. Şerife Ç. Sökmez	IN CLASS
11:40-12:30	12:40-13:30			
13:40-14:30	14:40-15:30	Modical English (C=1.9 C=2)	Inst. Aslı Gönenç Inst. Ayşe Kozansoy	IN CLASS
14:40-15:30	15:40-16:30	Medical English (Gr 1 & Gr 2)		IN CLASS
15:40-16:30	16:40-17:30	Elective Courses	Dr. Cemal Gürkan Inst.Mustafa Batıbeniz Inst. Deren Çeker	IN CLASS
16:40-17:30	17:40-18:30	(MDCN-181-Forensic Sciences) (MDCN-182-Art and Craft) (MDCN-125-Medical Anthropology)		
Tues	sday	08 November		
08:40-09:30	09:40-10:30	Structure of proteins	Dr. Huriye İcil	IN CLASS
	10:40-11:30	High energy compounds		
09:40-10:30	10.40-11.50	riigii ellergy compoullus	Dr. Huriye İcil	IN CLASS
09:40-10:30 10:40-11:30	11:40-12:30	Atatürk's Principles and History of Modern Turkey	Dr. Huriye Icil Dr. Turgay Bülent Göktürk	IN CLASS MS TEAMS
		Atatürk's Principles and History of Modern	Dr. Turgay Bülent	
10:40-11:30 11:40-12:30	11:40-12:30	Atatürk's Principles and History of Modern Turkey Atatürk's Principles and History of Modern	Dr. Turgay Bülent Göktürk Dr. Turgay Bülent	MS TEAMS
10:40-11:30 11:40-12:30 13:40-14:30	11:40-12:30 12:40-13:30	Atatürk's Principles and History of Modern Turkey Atatürk's Principles and History of Modern Turkey ICS-1 Research: Announcement of Research	Dr. Turgay Bülent Göktürk Dr. Turgay Bülent Göktürk	MS TEAMS MS TEAMS
10:40-11:30	11:40-12:30 12:40-13:30 14:40-15:30	Atatürk's Principles and History of Modern Turkey Atatürk's Principles and History of Modern Turkey ICS-1 Research: Announcement of Research Groups and mentors	Dr. Turgay Bülent Göktürk Dr. Turgay Bülent Göktürk Dr. İlke Akçay	MS TEAMS MS TEAMS IN CLASS

Wedne	esday	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		
Thurs	sday	10 November		
08:40-09:30 09:40-10:30	09:40-10:30	10 KASIM ATATÜRK'Ü A	ANMA TÖRENİ	
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
Frid	lay	11 November		
		Biochemistry LAB: Urease - Group B	Dr. Ergül Mutlu	IN CLASS

		Turkish For Medical Students-I (Interactive session)	Inst. Emine Özerinç	IN CLASS
	10:40-11:30	Biochemistry LAB: Urease - Group B	Dr. Ergül Mutlu Altundağ	IN CLASS
09:40-10:30	10.40-11.30	Turkish For Medical Students-I (Interactive session)	Inst. Emine Özerinç	IN CLASS
10.40 11.20	11.40 12.20	Biochemistry LAB: Urease - Group B	Dr. Ergül Mutlu Altundağ	IN CLASS
10:40-11:30	11:40-12:30	Turkish For Medical Students-I (Interactive session)	Inst. Emine Özerinç	IN CLASS
11.40 12.20	12,40, 12,20	Biochemistry LAB: Urease - Group B	Dr. Ergül Mutlu Altundağ	IN CLASS
11:40-12:30 12	12:40-13:30	Turkish For Medical Students-I (Interactive session)	Inst. Emine Özerinç	IN CLASS
13:40-14:30	14:40-15:30	PBL-4	Dr. Eda Becer Dr. Mümtaz Güran Dr. Ergül Altundağ Dr. Maryam	IN CLASS
14:40-15:30	15:40-16:30	PBL-4	Norouzabahari Inst. Gizem Şanlıtürk Inst. Katriye Komili	
15:40-16:30	16:40-17:30	STUDY TIME		
16:40-17:30	17:40-18:30	STUDY TIME		
		7th Week (14 November – 1	18 November 2022)	
Cyprus Local Time	Turkey Local Time			
Mon	ıday	14 November		
08:40-09:30	09:40-10:30			
09:40-10:30	10:40-11:30	Turkish for Medical Students-I (Foreign	Inst. Şerife Ç. Sökmez	IN CLASS
10:40-11:30	11:40-12:30	Students)	yerne y. Jokinez	III OLAGO
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		medical English (Of 1 & Of 2)	I III JL. MYJE NUZAIIJUV	1
14.40-13:30	15:40-16:30		,,	

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	
Tues	sday	15 November		
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	THE DEDUCTION OF TONG		
		THE REPUBLIC DAY OF TRNC		
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
Thur	sday	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

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
Fric	lay	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	
09:40-10:30	10:40-11:30	ICS-1-First Aid Lab: CPR, Practice&Assessment		IN CLASS
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	Norouzabahari	
13:40-14:30	14:40-15:30	ICS-1-First Aid Lab: CPR, Practice&Assessment	Dr.Nilüfer Güzoğlu	IN CLASS
14:40-15:30	15:40-16:30	ICS-1-First Aid Lab: CPR, Practice&Assessment	Dr.Amber Eker Dr.Bülent Sezgin	
15:40-16:30	16:40-17:30	ICS-1-First Aid Lab: CPR, Practice&Assessment	Dr.Ayşe Atasoylu Dr. Maryam	IN CLASS
16:40-17:30	17:40-18:30	ICS-1-First Aid Lab: CPR, Practice&Assessment	Norouzabahari	
	T	8th Week (21 November – 2	25 November 2022)	
Cyprus Local Time	Turkey Local Time			
Monday		21 November		
08:40-09:30	09:40-10:30			
	40 40 44 00	Turkish for Medical Students-I (Foreign Students)	Inst. Şerife Ç. Sökmez	INI CI VCC
09:40-10:30	10:40-11:30			IN CLASS
09:40-10:30 10:40-11:30	10:40-11:30	, -	inst. Şerife Ç. Sokmez	IN CLASS

14:40-15:30	Medical English (Gr 1 & Gr 2)	Inst. Aslı Gönenç	IN CLASS
15:40-16:30		Inst. Ayşe Kozansoy	
16:40-17:30	Elective Courses (MDCN-181-Forensic Sciences)	Dr. Cemal Gürkan Inst.Mustafa Batıbeniz	IN CLASS
17:40-18:30	(MDCN-182-Art and Craft) (MDCN-125-Medical Anthropology)	Inst. Deren Çeker	
day	22 November		
09:40-10:30	Molecular transmission of genetic information	Dr. Ergül Mutlu Altundağ	IN CLASS
10:40-11:30	Molecular transmission of genetic information	Dr. Ergül Mutlu Altundağ	IN CLASS
11:40-12:30	Atatürk's Principles and History of Modern Turkey Exam	Dr. Turgay Bülent Göktürk	IN CLASS
12:40-13:30	Atatürk's Principles and History of Modern Turkey Exam	Dr. Turgay Bülent Göktürk	IN CLASS
14:40-15:30	Cell death and molecular mechanisms	Dr. Mustafa Akkiprik	MS TEAMS
15:40-16:30	Molecular basis of disease	Dr. Mustafa Akkiprik	MS TEAMS
16:40-17:30	Cytogenetics	Dr. Bilgen Bilge Geçkinli	MS TEAMS
17:40-18:30	STUDY TIME		
esday	23 November		
09:40-10:30	Posttranscriptional and posttranslational modifications	Dr. Ergül Mutlu Altundağ	IN CLASS
10:40-11:30	Posttranscriptional and posttranslational modifications	Dr. Ergül Mutlu Altundağ	IN CLASS
10:40-11:30 11:40-12:30	· · · · · · · · · · · · · · · · · · ·	_	IN CLASS
	modifications	Altundağ	
11:40-12:30	modifications Introduction to history of medicine	Altundağ Dr. Gürkan Sert	IN CLASS
11:40-12:30	modifications Introduction to history of medicine	Altundağ Dr. Gürkan Sert	IN CLASS
11:40-12:30 12:40-13:30	modifications Introduction to history of medicine Turning points in History of Medicine	Dr. Gürkan Sert Dr. Gürkan Sert	IN CLASS IN CLASS
	15:40-16:30 16:40-17:30 17:40-18:30 17:40-10:30 10:40-11:30 11:40-12:30 12:40-13:30 15:40-16:30 16:40-17:30 17:40-18:30	15:40-16:30 Medical English (Gr 1 & Gr 2) 16:40-17:30 Elective Courses (MDCN-181-Forensic Sciences) (MDCN-182-Art and Craft) (MDCN-125-Medical Anthropology) 17:40-18:30 Molecular transmission of genetic information 10:40-11:30 Molecular transmission of genetic information 11:40-12:30 Atatürk's Principles and History of Modern Turkey Exam 12:40-13:30 Cell death and molecular mechanisms 15:40-16:30 Molecular basis of disease 16:40-17:30 Cytogenetics 17:40-18:30 STUDY TIME esday 23 November 09:40-10:30 Posttranscriptional and posttranslational modifications	15:40-16:30 Medical English (Gr 1 & Gr 2) Inst. Asli Gönenç Inst. Ayşe Kozansoy

16:40-17:30	17:40-18:30	STUDY TIME		
Thurs	sday	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 Özerinç	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			
Mon	day	28 November		
08:40-09:30	09:40-10:30	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	
Tues	day	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	
Wedne	esday	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	

	T.		
Thursday		01 December	
08:40-09:30	09:40-10:30		
09:40-10:30	10:40-11:30	Y1C1 THEORETICAL EXAM	
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		
Fric	day	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		