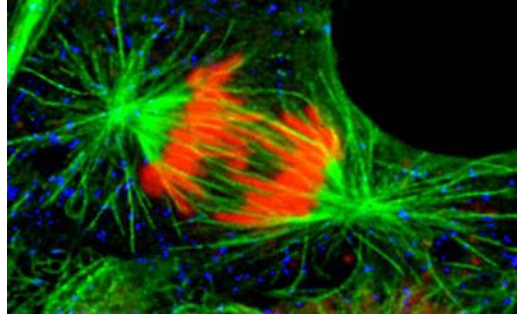


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Tıp Fakültesi

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



**INTRODUCTION TO CELL AND CELLULAR REPLICATION
YEAR 1 COURSE 1
September 22nd , 2025 – November 13th , 2025**

Year 1 Coordinators

Prof. Mustafa AKİPRİK & Prof. Dilek AKAKIN & Assoc. Prof. Ergül MUTLU ALTUNDAĞ

PBL Module Coordinator

Prof. Rezzan Gülhan
Dr. Hüseyin BEYAZ

Coordinator of Multidisciplinary Students' Lab.

Assoc. Prof. Burak AKSU
Assoc. Prof. Ergül MUTLU ALTUNDAĞ

Coordinator of Clinical Skill Lab.

Prof. Hasan R. YANANLI
Dr. Zehra GÜLTEKİN

Coordinator of ICS Res. Lab.

Prof. Hasan R. YANANLI
Assist. Prof. İlke AKÇAY

Vice-Chief Coordinators

Assessment

Assist. Prof. Cevdet NACAR
Assist. Prof. Halil Eren SAKALLI

Student Affairs

Assist. Prof. Can ERZİK
Assist. Prof. İlke AKÇAY

Chief Coordinator

Prof. Hasan R. YANANLI
Assoc. Prof. Amber Eker

**Coordinator of Medical Education Program
Evaluation and Development Commission**

Prof. Tunç Öneş

Coordinator of the Joint Program

Prof. Süleyman Ümit ŞEHİRLİ

Dean (EMU)

Prof. Nilüfer GÜZOĞLU

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	
<p align="center">AIM and LEARNING OBJECTIVES of COURSE</p> <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 	
<p align="center">ASSESSMENT SYSTEM</p> <p>Module examination: Written exam at the end of the course, performance during the module and reports for the modules.</p> <p>Practical examination: Practical exams at the end of course</p> <p>Course examination: Written exam at the end of course</p>	<p align="center">PROGRAM EVALUATION</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 	<ul style="list-style-type: none"> Histology & Embryology Medical Biology Medical Genetics Medical History and Ethics
LECTURERS / TUTORS	
<p>Adil Şeytanoğlu, Assist. Prof., Molecular Biology and Genetics</p> <p>Ayşe Mine Yılmaz, Assist. Prof., Biochemistry</p> <p>Ayşe Kozansoy, Inst., Medical English</p> <p>Betül Yılmaz, Prof., Biochemistry</p> <p>Bilgen Bilge Geçkinli, Assoc. Prof., Medical Genetics</p> <p>Can Erzik Assist. Prof., Medical Biology</p> <p>Cevdet Nacar, Assoc. Prof., Biophysics</p> <p>Devran Kaya, Inst. Dr., Atatürk's Principles and History of Modern Turkey</p> <p>Erdi Sözen, Assist. Prof., Biochemistry</p> <p>Ergül Mutlu Altundağ, Assoc. Prof., Biochemistry</p> <p>Feriha Ercan, Prof., Histology and Embryology</p> <p>Goncagül Haklar, Prof., Biochemistry</p> <p>Gökçe Güllü Amuran., Assist. Prof. Medical Biology</p> <p>Gürkan Sert, Assoc. Prof., Medical Ethics</p>	<p>Huriye İcil, Prof., Chemistry</p> <p>İlke Akçay, Assist. Prof., Biostatistics</p> <p>İrem Peker Eyüboğlu Assist. Prof., Medical Biology</p> <p>Mustafa Akkiprik, Prof., Medical Biology</p> <p>Namık Kerküklü, Inst., Biology</p> <p>Nur Sevinç, Inst., German for Medical Students</p> <p>Osman Ebeler, M.D.</p> <p>Önder Şirikçi, Prof., Medical Biochemistry</p> <p>Pınar Mega Tiber, Prof., Biophysics</p> <p>Serap Şirvancı, Prof., Histology and Embryology</p> <p>Sevdiye Toker, Inst., Medical English</p> <p>Sevdiye Toker, Inst., Turkish for Medical Students</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, Gatner, 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	27	8	35
Biophysics	5		5
Biostatistics	6		6
Chemistry	20		20
Histology and Embryology	7	4	11
Medical Biology	33		33
Medical Genetics	1		1
Medical History and Ethics	11		11
Problem-Based Learning (PBL) Module	11		11
Subtotal*	121	12	133
ICS-1 CSL-FA: Clinical Skills Laboratory & Introduction to First Aid Course (MDN1707)	10	2	12
ICS-1 CS-MI: Communication Skills & Introduction to Medical Interview (MDN1705)	0		0
ICS-1 SR-CS: Introduction to Student Research and Computer Skills (MDN1706)	4	4	8
Medical English (ENGL131)	12		12
Atatürk's Principles and the History of Turkish Renovation (HIST180)***	14		14
Turkish for Medical Students-I (TFMS101)**	28		28
Elective (AE-01)	14		14
TOTAL	175** 175***	18** 18***	193** 193***

*Hours/student **For International Students *** For Turkish students

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	THEORETICAL AND PRACTICAL SESSIONS	LECTURER/TUTOR	LECTURE PLATFORM
1st Week (22 September – 26 September 2025)			
Monday	22 September		
08:40-09:30	Opening and White- Coat Ceremony		
09:40-10:30			
10:40-11:30			
11:40-12:30			
13:40-14:30	Introduction to the program and course	Dr. Ergül Mutlu Altundağ	IN CLASS
14:40-15:30	Introduction to the program and course	Dr. Ergül Mutlu Altundağ	IN CLASS
15:40-16:30	Faculty Tour and Introduction to Laboratory Rules	Dr. Ergül Mutlu Altundağ	IN CLASS
16:40-17:30	STUDY TIME		
Tuesday	23 September		
08:40-09:30	STUDY TIME		
09:40-10:30	Origin of life	Dr. Adil Şeytanoğlu	IN CLASS
10:40-11:30	Molecular recognition process	Dr. Adil Şeytanoğlu	IN CLASS
11:40-12:30	Cellular organization of life	Dr. Adil Şeytanoğlu	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		
17:40-18:30	STUDY TIME		
Wednesday	24 September		
08:40-09:30	Introduction to biophysics	Dr. Pınar Mega Tiber	IN CLASS
09:40-10:30	Fundamentals of biomechanics	Dr. Pınar Mega Tiber	IN CLASS
10:40-11:30	Fundamentals of biomechanics	Dr. Pınar Mega Tiber	IN CLASS

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11:40-12:30	Energy, heat, work and power of the body	Dr. Pınar Mega Tiber	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		
Thursday	25 September		
08:40-09:30	Cellular organisation of life	Dr. Adil Şeytanoğlu	IN CLASS
09:40-10:30	Cell cycle	Dr. Adil Şeytanoğlu	IN CLASS
10:40-11:30	Introduction to organic chemistry	Dr. Huriye İcil	IN CLASS
11:40-12:30	Chemical compounds	Dr. Huriye İcil	IN CLASS
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
Friday	26 September		
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	Mitosis	Dr. Adil Şeytanoğlu	IN CLASS
14:40-15:30	Meiosis	Dr. Adil Şeytanoğlu	IN CLASS
15:40-16:30	Cell division kinetics	Dr. Adil Şeytanoğlu	IN CLASS
16:40-17:30	STUDY TIME		
2nd Week (29 September – 03 October 2025)			
Monday	29 September		

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08:40-09:30	Turkish for Medical Students - 1	Inst. Sevdıye Toker	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. Ayşe Kozansoy Inst. Sevdıye Toker	IN CLASS
14:40-15:30			
15:40-16:30	Elective Courses (AICS361 – Artificial Intelligence in Medicine) (GFMS101 – German for Medical Students) (MDCN118 – Molecular Techniques in Medicine) (MDCN134 - Climate Change Impacts on Health, Sustainable Living and Medicine) (MDCN181 – Forensic Science) (MDCN314 – Introduction to Health Psychology)	Dr. Adnan Acan Inst. Nur Sevinç Dr. Şükrü Tüzmen Dr. Özge Eker Dr. Cemal Gürkan Inst. Hazal Dinçyürek	IN CLASS
16:40-17:30			
Tuesday	30 September		
08:40-09:30	Nucleic acids	Dr. Adil Şeytanoğlu	IN CLASS
09:40-10:30	Nucleus and nuclear genome	Dr. Adil Şeytanoğlu	IN CLASS
10:40-11:30	Atoms and atomic theory, atomic properties and periodic table	Dr. Huriye İcil	IN CLASS
11:40-12:30	Chemical bonds: ionic and covalent	Dr. Huriye İcil	IN CLASS
12:40-13:30	Student Club Orientation (EMUMSA)		
13:40-14:30	STUDY TIME		
14:30-15:20	STUDY TIME		
15:30-16:20	STUDY TIME		
16:40-17:30	Atatürk's Principles and History of Modern Turkey	Dr. Devran Kaya	MS TEAMS
17:40-18:30	Atatürk's Principles and History of Modern Turkey	Dr. Devran Kaya	MS TEAMS
Wednesday	01 October		
08:40-09:30	Nucleus and nuclear genome	Dr. Adil Şeytanoğlu	IN CLASS
09:40-10:30	Chromosome structure, function and anomalies	Dr. Adil Şeytanoğlu	IN CLASS
10:40-11:30	DNA Replication	Dr. Adil Şeytanoğlu	IN CLASS
11:40-12:30	DNA Replication	Dr. Adil Şeytanoğlu	IN CLASS

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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	02 October		
08:40-09:30	Chemical reactions and equilibrium	Dr. Huriye İcil	IN CLASS
09:40-10:30	Chemical reactions and equilibrium	Dr. Huriye İcil	IN CLASS
10:40-11:30	Protein structure and function-1	Dr. Betül Yılmaz	IN CLASS
11:40-12:30	Protein structure and function-1	Dr. Betül Yılmaz	IN CLASS
13:40-14:30	Protein structure and function-2	Dr. Betül Yılmaz	IN CLASS
14:40-15:30	Protein structure and function-2	Dr. Betül Yılmaz	IN CLASS
15:40-16:30	Enzymes: Introduction	Dr. Betül Yılmaz	IN CLASS
16:40-17:30	Enzymes: Introduction	Dr. Betül Yılmaz	IN CLASS
Friday	03 October		
08:40-09:30	Enzymes: Mechanism of action	Dr. Ayşe Mine Yılmaz	MS TEAMS
09:40-10:30	Enzymes: Mechanism of action	Dr. Ayşe Mine Yılmaz	MS TEAMS
10:40-11:30	Protein Synthesis	Dr. Can Erzik	MS TEAMS
11:40-12:30	Protein Synthesis	Dr. Can Erzik	MS TEAMS
13:40-14:30	DNA Repair	Dr. Adil Şeytanoğlu	IN CLASS
14:40-15:30	RNA synthesis and processing	Dr. Adil Şeytanoğlu	IN CLASS
15:40-16:30	RNA synthesis and processing	Dr. Adil Şeytanoğlu	IN CLASS
16:40-17:30	Introduction to human genetics	Dr. Adil Şeytanoğlu	IN CLASS
3rd Week (06 October – 10 October 2025)			
Monday	06 October		
08:40-09:30	Turkish for Medical Students - 1	Inst. Sevdije Toker	IN CLASS

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09:40-10:30			
10:40-11:30			
11:40-12:30			
13:40-14:30	Medical English (Gr.1 & Gr.2)	Inst. Ayşe Kozansoy Inst. Sevdije Toker	IN CLASS
14:40-15:30			
15:40-16:30	Elective Courses (AICS361 – Artificial Intelligence in Medicine) (GFMS101 – German for Medical Students) (MDCN118 – Molecular Techniques in Medicine) (MDCN134 - Climate Change Impacts on Health, Sustainable Living and Medicine) (MDCN181 – Forensic Science) (MDCN314 – Introduction to Health Psychology)	Dr. Adnan Acan Inst. Nur Sevinç Dr. Şükrü Tüzmen Dr. Özge Eker Dr. Cemal Gürkan Inst. Hazal Dinçyürek	IN CLASS
16:40-17:30			
Tuesday	07 October		
08:40-09:30	Structure of nucleic acids	Dr. Ergül Mutlu Altundağ	IN CLASS
09:40-10:30	ICS-1 SR-CS: Introduction to ICS-Research	Dr. İlke Akçay	IN CLASS
10:40-11:30	ICS-1 SR-CS: Philosophy of Research and Scientific Approach	Dr. İlke Akçay	IN CLASS
11:40-12:30	ICS-1 SR-CS: Global look to different research designs	Dr. İlke Akçay	IN CLASS
13:40-14:30	Enzymes: Regulation	Dr. Betül Yılmaz	MS TEAMS
14:30-15:20	Enzymes: Regulation	Dr. Betül Yılmaz	MS TEAMS
15:30-16:20	STUDY TIME		
16:40-17:30	Atatürk's Principles and History of Modern Turkey	Dr. Devran Kaya	MS TEAMS
17:40-18:30	Atatürk's Principles and History of Modern Turkey	Dr. Devran Kaya	MS TEAMS
Wednesday	08 October		
08:40-09:30	STUDY TIME		
09:40-10:30	STUDY TIME		
10:40-11:30	Introduction to PBL	Dr. Hüseyin Beyaz	IN CLASS
11:40-12:30	Introduction to ICS and ICS-1 CS-MI and ICS-1 CLS-FA	Dr. Zehra Gültekin Dr. Amber Eker	IN CLASS

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13:40-14:30	Molecular transmission of genetic information	Dr.Ergül Mutlu Altundağ	IN CLASS
14:40-15:30	Molecular transmission of genetic information	Dr.Ergül Mutlu Altundağ	IN CLASS
15:40-16:30	Acids and bases	Dr. Huriye İcil	IN CLASS
16:40-17:30	STUDY TIME		
Thursday	09 October		
08:40-09:30	STUDY TIME		
09:40-10:30	Microscope	Dr. Serap Şirvancı	IN CLASS
10:40-11:30	Microscope	Dr. Serap Şirvancı	IN CLASS
11:40-12:30	Histotechniques	Dr. Serap Şirvancı	IN CLASS
13:40-14:30	Cellular organelles and inclusions at LM and EM level	Dr. Feriha Ercan	IN CLASS
14:40-15:30	Cellular organelles and inclusions at LM and EM level	Dr. Feriha Ercan	IN CLASS
15:40-16:30	Nucleus and cell division	Dr. Feriha Ercan	IN CLASS
16:40-17:30	Nucleus and cell division	Dr. Feriha Ercan	IN CLASS
17:40-18:30	Acids and bases	Dr. Huriye İcil	IN CLASS
Friday	10 October		
08:40-09:30	Histology LAB: Cell Types – Group A	Dr. Serap Şirvancı	Multidisciplinary Lab.
09:40-10:30	Histology LAB: Cell Types – Group A	Dr. Serap Şirvancı	Multidisciplinary Lab.
10:40-11:30	Histology LAB: Cell Types – Group B	Dr. Serap Şirvancı	Multidisciplinary Lab.
	ICS-1 CSL-FA: Hand washing and sterile glove wearing Group A	Dr Namık Kerküklü Dr. Osman Ebeler	ICS LAB.
11:40-12:30	Histology LAB: Cell Types – Group B	Dr. Serap Şirvancı	Multidisciplinary Lab.
	ICS-1 CSL-FA: Hand washing and sterile glove wearing Group A	Dr Namık Kerküklü Dr. Osman Ebeler	ICS LAB.
13:40-14:30	Histology LAB: Cell Division – Group A	Dr. Feriha Ercan	Multidisciplinary Lab.

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	ICS-1 CSL-FA: Hand washing and sterile glove wearing Group B	Dr Namık Kerküklü Dr. Osman Ebeler	ICS LAB.
14:40-15:30	Histology LAB: Cell Division – Group A	Dr. Feriha Ercan	Multidisciplinary Lab.
	ICS-1 CSL-FA: Hand washing and sterile glove wearing Group B	Dr Namık Kerküklü Dr. Osman Ebeler	ICS LAB.
15:40-16:30	Histology LAB: Cell Division – Group B	Dr. Feriha Ercan	Multidisciplinary Lab.
16:40-17:30	Histology LAB: Cell Division – Group B	Dr. Feriha Ercan	Multidisciplinary Lab.
4th Week (13 October – 17 October 2025)			
Monday	13 October		
08:40-09:30	Turkish for Medical Students - 1	Inst. Sevdıye Toker	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. Ayşe Kozansoy Inst. Sevdıye Toker	IN CLASS
14:40-15:30			
15:40-16:30	Elective Courses (AICS361 – Artificial Intelligence in Medicine) (GFMS101 – German for Medical Students) (MDCN118 – Molecular Techniques in Medicine) (MDCN134 - Climate Change Impacts on Health, Sustainable Living and Medicine) (MDCN181 – Forensic Science) (MDCN314 – Introduction to Health Psychology)	Dr. Adnan Acan Inst. Nur Sevinç Dr. Şükrü Tüzmen Dr. Özge Eker Dr. Cemal Gürkan Inst. Hazal Dinçyürek	IN CLASS
16:40-17:30			
Tuesday	14 October		
08:40-09:30	ICS-1 CSL-FA: Aims of First Aid, Primary Survey of the area and assessment of the victim	Dr. Zehra Gültekin	IN CLASS
09:40-10:30	ICS-1 CSL-FA: Aims of First Aid, Primary Survey of the area and assessment of the victim	Dr. Zehra Gültekin	IN CLASS
10:40-11:30	What is statistics and biostatistics?	Dr. İlke Akçay	IN CLASS
11:40-12:30	Statistics in medical research	Dr. İlke Akçay	IN CLASS

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13:40-14:30	Chemical kinetics and reaction mechanism	Dr. Huriye İcil	IN CLASS
14:30-15:20	Chemical kinetics and reaction mechanism	Dr. Huriye İcil	IN CLASS
15:30-16:20	STUDY TIME		
16:40-17:30	Atatürk's Principles and History of Modern Turkey	Dr. Devran Kaya	MS TEAMS
17:40-18:30	Atatürk's Principles and History of Modern Turkey	Dr. Devran Kaya	MS TEAMS
Wednesday	15 October		
08:40-09:30	Y3C1 COMMITTEE EXAM		
09:40-10:30			
10:40-11:30			
11:40-12:30			
13:40-14:30	ICS-1 SR-CS: Literature Review	Dr. İlke Akçay	IN CLASS
14:40-15:30	ICS-1 SR-CS: Literature Review – Practical Session	Dr. İlke Akçay	IN CLASS
15:40-16:30	PBL-1	Dr. Ergül Mutlu Altundağ Inst. Kadir Çakıral Inst. Namık Kerküklü Dr. Özge Eker Dr. Mümtaz Güran	IN CLASS
16:40-17:30	PBL-1	Dr. Ergül Mutlu Altundağ Inst. Kadir Çakıral Inst. Namık Kerküklü Dr. Özge Eker Dr. Mümtaz Güran	IN CLASS
Thursday	16 October		
08:40-09:30	Y2C1 COMMITTEE EXAM		
09:40-10:30			
10:40-11:30			
11:40-12:30			
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			

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16:40-17:30			
Friday	17 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	Genes and heredity	Dr. Adil Şeytanoğlu	IN CLASS
11:40-12:30	Genetic variation in populations	Dr. Adil Şeytanoğlu	IN CLASS
13:40-14:30	Mutations and polymorphisms	Dr. Adil Şeytanoğlu	IN CLASS
14:40-15:30	Viruses, plasmids, transposable genetic elements	Dr. Adil Şeytanoğlu	IN CLASS
15:40-16:30	Information content of DNA	Dr. Cevdet Nacar	MS TEAMS
16:40-17:30	Recombination	Dr. Can Erzik	MS TEAMS

5 th Week (20 October – 24 October 2025)			
Monday	20 October		
08:40-09:30	Turkish for Medical Students - 1	Inst. Sevdıye Toker	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. Ayşe Kozansoy Inst. Sevdıye Toker	IN CLASS
14:40-15:30			
15:40-16:30	Elective Courses (AICS361 – Artificial Intelligence in Medicine) (GFMS101 – German for Medical Students) (MDCN118 – Molecular Techniques in Medicine) (MDCN134 - Climate Change Impacts on Health, Sustainable Living and Medicine) (MDCN181 – Forensic Science) (MDCN314 – Introduction to Health Psychology)	Dr. Adnan Acan Inst. Nur Sevinç Dr. Şükrü Tüzmen Dr. Özge Eker Dr. Cemal Gürkan Inst. Hazal Dinçyürek	IN CLASS
16:40-17:30			
Tuesday	21 October		
08:40-09:30	STUDY TIME		
09:40-10:30	ICS-1 CSL-FA: Bleeding	Dr. Zehra Gültekin	IN CLASS

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10:40-11:30	ICS-1 CSL-FA: Burns, poisoning, bites	Dr. Zehra Gültekin	IN CLASS
11:40-12:30	ICS-1 CSL-FA: Burns, poisoning, bites	Dr. Zehra Gültekin	IN CLASS
13:40-14:30	Designing research	Dr. İlke Akçay	IN CLASS
14:40-15:30	Types of data	Dr. İlke Akçay	IN CLASS
15:40-16:30	STUDY TIME		
16:40-17:30	Atatürk's Principles and History of Modern Turkey	Dr. Devran Kaya	MS TEAMS
17:40-18:30	Atatürk's Principles and History of Modern Turkey	Dr. Devran Kaya	MS TEAMS
Wednesday	22 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	Factors affecting single-gene inheritance patterns	Dr. Adil Şeytanoğlu	IN CLASS
11:40-12:30	Multifactorial inheritance	Dr. Adil Şeytanoğlu	IN CLASS
13:40-14:30	PBL-2	Dr. Ergül Mutlu Altundağ Inst. Kadir Çakıral Inst. Namık Kerküklü Dr. Özge Eker Dr. Mümtaz Güran	IN CLASS
14:40-15:30	PBL-2	Dr. Ergül Mutlu Altundağ Inst. Kadir Çakıral Inst. Namık Kerküklü Dr. Özge Eker Dr. Mümtaz Güran	IN CLASS
15:40-16:30	STUDY TIME		
16:40-17:30	STUDY TIME		
Thursday	23 October		
08:40-09:30	STUDY TIME		
09:40-10:30	ICS-1 CSL-FA: Seizures and Stroke	Dr. Amber Eker Bakkaloğlu	IN CLASS
10:40-11:30	Describing the data with graphics	Dr. İlke Akçay	IN CLASS
11:40-12:30	Describing the data with numbers	Dr. İlke Akçay	IN CLASS

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13:40-14:30	Posttranscriptional and posttranslational modifications	Dr. Erdi Sözen	IN CLASS
14:40-15:30	Posttranscriptional and posttranslational modifications	Dr. Erdi Sözen	IN CLASS
15:40-16:30	Mechanism of signal transduction	Dr. Erdi Sözen	IN CLASS
16:40-17:30	Mechanism of signal transduction	Dr. Erdi Sözen	IN CLASS
Friday	24 October		
08:40-09:30	Biochemistry LAB: Spectrophotometer - Group A	Dr. Ergül Mutlu Altundağ	Multidisciplinary Lab.
09:40-10:30	Biochemistry LAB: Spectrophotometer - Group A	Dr. Ergül Mutlu Altundağ	Multidisciplinary Lab.
10:40-11:30	Biochemistry LAB: Spectrophotometer - Group A	Dr. Ergül Mutlu Altundağ	Multidisciplinary Lab.
11:40-12:30	Biochemistry LAB: Spectrophotometer - Group A	Dr. Ergül Mutlu Altundağ	Multidisciplinary Lab.
13:40-14:30	Biochemistry LAB: Spectrophotometer - Group B	Dr. Ergül Mutlu Altundağ	Multidisciplinary Lab.
14:40-15:30	Biochemistry LAB: Spectrophotometer - Group B	Dr. Ergül Mutlu Altundağ	Multidisciplinary Lab.
15:40-16:30	Biochemistry LAB: Spectrophotometer - Group B	Dr. Ergül Mutlu Altundağ	Multidisciplinary Lab.
16:40-17:30	Biochemistry LAB: Spectrophotometer - Group B	Dr. Ergül Mutlu Altundağ	Multidisciplinary Lab.
6th Week (27 October – 31 October 2025)			
Cyprus Local Time	Turkey Local Time		
Monday	27 October		
08:40-09:30	09:40-10:30	Turkish for Medical Students - 1	Inst. Sevdije Toker
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. Ayşe Kozansoy

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14:40-15:30	15:40-16:30		Inst. Sevdije Toker	
15:40-16:30	16:40-17:30	Elective Courses (AICS361 – Artificial Intelligence in Medicine) (GFMS101 – German for Medical Students) (MDCN118 – Molecular Techniques in Medicine) (MDCN134 - Climate Change Impacts on Health, Sustainable Living and Medicine) (MDCN181 – Forensic Science) (MDCN314 – Introduction to Health Psychology)	Dr. Adnan Acan Inst. Nur Sevinç Dr. Şükrü Tüzmen Dr. Özge Eker Dr. Cemal Gürkan Inst. Hazal Dinçyürek	IN CLASS
16:40-17:30	17:40-18:30			
Tuesday	28 October			
08:40-09:30	09:40-10:30	ICS-1 CSL-FA: Muscoskeletal Injuries	Dr. Zehra Gültekin	IN CLASS
09:40-10:30	10:40-11:30	ICS-1 CSL-FA: Muscoskeletal Injuries	Dr. Zehra Gültekin	IN CLASS
10:40-11:30	11:40-12:30	ICS-1 CSL-FA: Head and Neck Injuries	Dr. Zehra Gültekin	IN CLASS
11:40-12:30	12:40-13:30	ICS-1 CSL-FA: Safe transport	Dr. Zehra Gültekin	IN CLASS
13:40-14:30	14:40-15:30	HOLIDAY		
14:30-15:20	15:40-16:30			
15:30-16:20	16:40-17:30			
16:40-17:30	17:40-18:30			
17:40-18:30	18:40-19:30			
Wednesday	29 October			
08:40-09:30	09:40-10:30	REPUBLIC DAY OF TURKEY		
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			

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16:40-17:30	17:40-18:30			
Thursday	30 October			
08:40-09:30	09:40-10:30	Biochemistry LAB: Urease – Group B	Dr. Ergül Mutlu Altundağ	Multidisciplinary Lab.
09:40-10:30	10:40-11:30	Biochemistry LAB: Urease – Group B	Dr. Ergül Mutlu Altundağ	Multidisciplinary Lab.
10:40-11:30	11:40-12:30	Biochemistry LAB: Urease – Group B	Dr. Ergül Mutlu Altundağ	Multidisciplinary Lab.
11:40-12:30	12:40-13:30	Biochemistry LAB: Urease – Group B	Dr. Ergül Mutlu Altundağ	Multidisciplinary Lab.
13:40-14:30	14:40-15:30	Biochemistry LAB: Urease – Group A	Dr. Ergül Mutlu Altundağ	Multidisciplinary Lab.
14:40-15:30	15:40-16:30	Biochemistry LAB: Urease – Group A	Dr. Ergül Mutlu Altundağ	Multidisciplinary Lab.
15:40-16:30	16:40-17:30	Biochemistry LAB: Urease – Group A	Dr. Ergül Mutlu Altundağ	Multidisciplinary Lab.
16:40-17:30	17:40-18:30	Biochemistry LAB: Urease – Group A	Dr. Ergül Mutlu Altundağ	Multidisciplinary Lab.
Friday	31 October			
08:40-09:30	09:40-10:30	STUDY TIME		
09:40-10:30	10:40-11:30	PBL-3	Dr. Ergül Mutlu Altundağ Inst. Kadir Çakıral Inst. Namık Kerküklü Dr. Özge Eker Dr. Mümtaz Güran	IN CLASS
10:40-11:30	11:40-12:30	PBL-3	Dr. Ergül Mutlu Altundağ Inst. Kadir Çakıral Inst. Namık Kerküklü Dr. Özge Eker Dr. Mümtaz Güran	IN CLASS
11:40-12:30	12:40-13:30	STUDY TIME		
13:40-14:30	14:40-15:30	Regulation of gene expression	Dr. İrem Peker Eyüpoğlu	MS TEAMS
14:40-15:30	15:40-16:30	Regulation of gene expression	Dr. İrem Peker Eyüpoğlu	MS TEAMS
15:40-16:30	16:40-17:30	Cytogenetics	Dr. Bilgen Bilge Geçkinli	MS TEAMS

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16:40-17:30	17:40-18:30	Electrochemistry: oxidation and reduction	Dr. Huriye İcil	IN CLASS
17:40-18:30	18:40-19:30	Electrochemistry: oxidation and reduction	Dr. Huriye İcil	IN CLASS
7th Week (03 November – 07 November 2025)				
Cyprus Local Time	Turkey Local Time			
Monday	03 November			
08:40-09:30	09:40-10:30	Turkish for Medical Students - 1	Inst. Sevdıye Toker	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. Ayşe Kozansoy Inst. Sevdıye Toker	IN CLASS
14:40-15:30	15:40-16:30			
15:40-16:30	16:40-17:30	Elective Courses (AICS361 – Artificial Intelligence in Medicine) (GFMS101 – German for Medical Students) (MDCN118 – Molecular Techniques in Medicine) (MDCN134 - Climate Change Impacts on Health, Sustainable Living and Medicine) (MDCN181 – Forensic Science) (MDCN314 – Introduction to Health Psychology)	Dr. Adnan Acan Inst. Nur Sevinç Dr. Şükrü Tüzmen Dr. Özge Eker Dr. Cemal Gürkan Inst. Hazal Dinçyürek	IN CLASS
16:40-17:30	17:40-18:30			
Tuesday	04 November			
08:40-09:30	09:40-10:30	STUDY TIME		
09:40-10:30	10:40-11:30	ICS-1 SR-CS: Announcement of Research Groups and mentors	Dr. İlke Akçay	IN CLASS
10:40-11:30	11:40-12:30	ICS-1 SR-CS: Group Warm-up activities	Dr. İlke Akçay	IN CLASS
11:40-12:30	12:40-13:30	ICS-1 SR-CS: Group Warm-up activities	Dr. İlke Akçay	IN CLASS
13:40-14:30	14:40-15:30	STUDY TIME		

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14:30-15:20	15:40-16:30	STUDY TIME		
15:40-16:30	16:40-17:30	STUDY TIME		
16:40-17:30	17:40-18:30	Atatürk's Principles and History of Modern Turkey	Dr. Devran Kaya	MS TEAMS
17:40-18:30	18:40-19:30	Atatürk's Principles and History of Modern Turkey	Dr. Devran Kaya	MS TEAMS
Wednesday	05 November			
08:40-09:30	09:40-10:30	Cell death and molecular mechanisms	Dr. Mustafa Akkiprik	MS TEAMS
09:40-10:30	10:40-11:30	Molecular basis of disease	Dr. Mustafa Akkiprik	MS TEAMS
10:40-11:30	11:40-12:30	Detection of nucleic acids	Dr. Gökçe Güllü Amuran	MS TEAMS
11:40-12:30	12:40-13:30	Tools of cell biology	Dr. Gökçe Güllü Amuran	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	STUDY TIME		
16:40-17:30	17:40-18:30	STUDY TIME		
Thursday	06 November			
08:40-09:30	09:40-10:30	PBL-4	Dr. Ergül Mutlu Altundağ Inst. Kadir Çakıral Inst. Namık Kerküklü Dr. Özge Eker Dr. Mümtaz Güran	IN CLASS
09:40-10:30	10:40-11:30	PBL-4	Dr. Ergül Mutlu Altundağ Inst. Kadir Çakıral Inst. Namık Kerküklü Dr. Özge Eker Dr. Mümtaz Güran	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

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15:40-16:30	16:40-17:30	History of Medicine in Turkish Republic	Dr. Gürkan Sert	IN CLASS
16:40-17:30	17:40-18:30	Structure of carbohydrates	Dr. Huriye İcil	IN CLASS
17:40-18:30	18:40-19:30	Structure of lipids	Dr. Huriye İcil	IN CLASS
Friday	07 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	Structure of proteins	Dr. Huriye İcil	IN CLASS
17:40-18:30	18:40-19:30	High energy compounds	Dr. Huriye İcil	IN CLASS
8 th Week (10 November – 14 November 2025)				
Cyprus Local Time	Turkey Local Time			
Monday	10 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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Tuesday	11 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	12 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		
Thursday	13 November			
08:40-09:30	09:40-10:30	Y1C1 COMMITTEE 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	Committee Exam Feedback Session	Dr. Ergül Mutlu Altundağ Dr. Halil Eren Sakallı	IN CLASS

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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	14 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		