

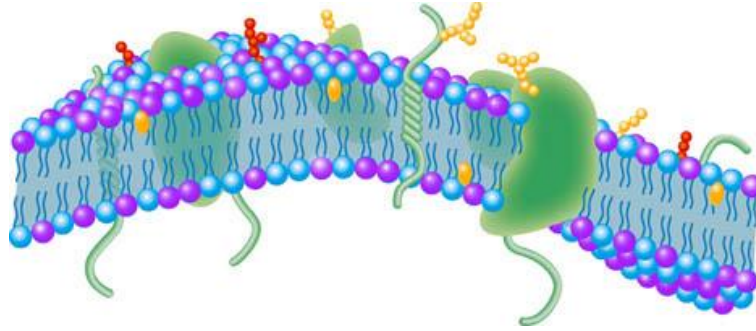
Last updated on 19 January, 2023

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Tıp Fakültesi

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



**CELLULAR METABOLISM AND TRANSPORT
YEAR 1 COURSE 2
December 05th, 2022 – January 19th, 2023**

Year 1 Coordinators

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

PBL Module Coordinator

Prof. Rezzan Gülhan
Assist. Prof. Bülent SEZGİN

**Coordinator of Multidisciplinary Students'
Lab.**

Prof. Betül YILMAZ
Assoc. 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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CELLULAR METABOLISM AND TRANSPORT	
AIM and LEARNING OBJECTIVES of COURSE	
<p>Aim: At the end of this committee, first year students will gain knowledge about the metabolic pathways within the cell, structure of the cell membrane and transport mechanisms.</p> <p>Learning Objectives: At the end of this committee, students will,</p> <ul style="list-style-type: none"> • acquire knowledge related to structural characteristics, functions and regulation of enzymes and coenzymes • understand the ATP synthesis and its effect on metabolic pathways • describe the constituents and reactions of metabolic pathways within the cell • understand membrane structure and its function, physical principles of transport and signaling mechanisms both within and among the cells • 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-1.2 & MODULE-1.2	
<ul style="list-style-type: none"> • Biochemistry • Biophysics • Biostatistics • Cardiovascular Surgery • Medical Biology 	<ul style="list-style-type: none"> • Medical Education • Ophthalmology • Physiology • Urology
LECTURERS / TUTORS	
<p>Adil Şeytanoğlu, Assist. Prof., Molecular Biology and Genetics</p> <p>Alper Yıldırım, Assoc. Prof., Physiology</p> <p>Aslı Gönenc, Inst., Medical English</p> <p>Ayşe Kozansoy, Inst., Medical English</p> <p>Ayşe Mine Yılmaz, Inst., Medical Biochemistry</p> <p>Banu Aydın Omay, Assoc. Prof., Biophysics</p> <p>Berrak Yeğen, Prof., Physiology</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 Özeriç, Inst., Turkish Language</p> <p>Ergül Mutlu Altundağ, Assoc., Prof., Medical Biochemistry</p> <p>Goncagül Haklar, Prof., Medical Biochemistry</p>	<p>Hülya Cabadak Prof., Biophysics</p> <p>İlke Akçay, Assist. Prof., Biostatistics</p> <p>Mustafa Akkiprik, Prof., Medical Biology</p> <p>Mustafa Batıbeniz, Inst., Arts and Crafts</p> <p>Özgür Kasımay, Prof., Physiology</p> <p>Pınar Mega Tiber, Assoc. Professor of Biophysics</p> <p>Saime Batirel, Assoc. Prof., Medical Biochemistry</p> <p>Sinem Yıldız İnanıcı, Assist. Prof., Medical Education</p> <p>Şerife Ç. Sökmez, Inst., Turkish Language</p> <p>Turgay Bülent Göktürk, Assist. Prof., Atatürk's Principles and History of Modern Turkey</p>
READING / STUDYING MATERIALS	
<ul style="list-style-type: none"> • Biochemistry, Stryer, 4th Ed., Freeman • Biochemistry, Zubay, 3rd Ed., WCB • Harper's Biochemistry, Murray, Granner, 23rd Ed., Lange Interscience, New Jersey 2003 • Introduction to Biostatistics For Health Sciences, Micheal R. Chernick, Robert H. Friss, Willey • Lehninger Principles of Biochemistry, Nelson, Cox, 3rd edition, Worth • Medical Statistics at a Glance, Aviva Petrie, Caroline Sabin, Blackwell Science, London 2003 • Physics, Giancoli, 4th Ed., Prentice Hall • Practical Statistics For Medical Research, Douglas Altman, Chapman & Hall, London 1995 • Principles of Physiology, Bern and Levy, 4th Ed. 	

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- Temel Biyoistatistik, Mustafa Şenocak, Çağlayan Kitapevi, İstanbul 1990
- Textbook of Physiology, Guyton and Hall , 10th Ed.
- The Cell: A Molecular Approach, Cooper, 2nd Ed., ASM Press
- Molecular Biology of the Cell, Alberts et al. 3rd Ed., Garland

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SUMMARY OF THE COURSE 1.2			
Discipline	Lecture & Group Discussion	Multidisciplinary Lab. & Clinical Skills Lab. Practice	Total
Biochemistry	26	9	35
Biophysics	20		20
Biostatistics	10		10
Medical Biology	4		4
Physiology	8	2	10
Subtotal	68	11	79
PBL Module	8		8
ICS-1: Introduction to Student Research and Computer Skills	10	2	12
ICS-1: First aid	2	10	12
ENGL131 - Medical English	12		12
HIST180 - Atatürk's Principles and the History of Turkish Renovation (for Turkish students)	12		12
TFMS101 – Turkish for Medical Students-I (Foreign Students)	24		24
TFMS101 - Turkish for Medical Students-I (Interactive session)	7		7
Elective Courses MDCN181, MDCN182, MDCN125	8		8
TOTAL	151	23	174

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		THEORETICAL AND PRACTICAL SESSIONS	LECTURER/TUTOR	LECTURE PLATFORM
1st Week (05 -09 December 2022)				
Cyprus Local Time	Turkey Local Time			
Monday		05 December		
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		06 December		
08:40-09:30	09:40-10:30	STUDY TIME		
09:40-10:30	10:40-11:30	Introduction to the course	Dr. Ergül Mutlu Altundağ	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	Homeostasis	Dr. Berrak Yegen	MS-TEAMS
14:40-15:30	15:40-16:30	Physical characteristics of membrane structure and function-online	Dr. Banu Aydın Omay	MS-TEAMS
15:40-16:30	16:40-17:30	Membrane proteins	Dr. Banu Aydın Omay	MS-TEAMS
16:40-17:30	17:40-18:30	STUDY TIME		
Wednesday		07 December		
08:40-09:30	09:40-10:30	STUDY TIME		

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09:40-10:30	10:40-11:30	Turkish For Medical Students-I (Interactive session)	Inst. Emine Özerinç	IN CLASS
10:40-11:30	11:40-12:30	Turkish For Medical Students-I (Interactive session)	Inst. Emine Özerinç	IN CLASS
11:40-12:30	12:40-13:30	Turkish For Medical Students-I (Interactive session)	Inst. Emine Özerinç	IN CLASS
13:40-14:30	14:40-15:30	CSL-1 Medical and surgical asepsis	Dr. Bülent Sezgin	IN CLASS
14:40-15:30	15:40-16:30	CSL-1 Hand hygiene procedure & Wear and remove sterile gloves	Dr. Nilüfer Güzoğlu Dr. Amber Eker Dr. Bülent Sezgin Dr. Ayşe Atasoylu	IN CLASS
15:40-16:30	16:40-17:30	CSL-1 Hand hygiene procedure & Wear and remove sterile gloves		
16:40-17:30	17:40-18:30	CSL-1 Hand hygiene procedure & Wear and remove sterile gloves		
Thursday		08 December		
08:40-09:30	09:40-10:30	ICS-1: Communication Skills and Introduction to Medical Interview	Dr. Sinem Yıldız İnanıcı Dr. İlke Akçay Inst. Hazal Dinçyürek	IN CLASS
09:40-10:30	10:40-11:30	ICS-1: Communication Skills and Introduction to Medical Interview	Dr. Sinem Yıldız İnanıcı Dr. İlke Akçay Inst. Hazal Dinçyürek	IN CLASS
10:40-11:30	11:40-12:30	ICS-1: Communication Skills and Introduction to Medical Interview	Dr. Sinem Yıldız İnanıcı Dr. İlke Akçay Inst. Hazal Dinçyürek	IN CLASS
11:40-12:30	12:40-13:30	ICS-1: Communication Skills and Introduction to Medical Interview	Dr. Sinem Yıldız İnanıcı Dr. İlke Akçay Inst. Hazal Dinçyürek	IN CLASS
13:40-14:30	14:40-15:30	ICS-1: Communication Skills and Introduction to Medical Interview	Dr. Sinem Yıldız İnanıcı Dr. İlke Akçay Inst. Hazal Dinçyürek	IN CLASS
14:40-15:30	15:40-16:30	ICS-1: Communication Skills and Introduction to Medical Interview	Dr. Sinem Yıldız İnanıcı Dr. İlke Akçay Inst. Hazal Dinçyürek	IN CLASS

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15:40-16:30	16:40-17:30	STUDY TIME		
16:40-17:30	17:40-18:30	STUDY TIME		
Friday		09 December		
08:40-09:30	09:40-10:30	ICS-1: Communication Skills and Introduction to Medical Interview	Dr. Sinem Yıldız İnanıcı Dr. İlke Akçay Inst. Hazal Dinçyürek	IN CLASS
09:40-10:30	10:40-11:30	ICS-1: Communication Skills and Introduction to Medical Interview	Dr. Sinem Yıldız İnanıcı Dr. İlke Akçay Inst. Hazal Dinçyürek	IN CLASS
10:40-11:30	11:40-12:30	ICS-1: Communication Skills and Introduction to Medical Interview	Dr. Sinem Yıldız İnanıcı Dr. İlke Akçay Inst. Hazal Dinçyürek	IN CLASS
11:40-12:30	12:40-13:30	ICS-1: Communication Skills and Introduction to Medical Interview	Dr. Sinem Yıldız İnanıcı Dr. İlke Akçay Inst. Hazal Dinçyürek	IN CLASS
13:40-14:30	14:40-15:30	Bioelectric potentials	Dr. Berrak Yegen	MS-TEAMS
14:40-15:30	15:40-16:30	Bioelectric potentials	Dr. Berrak Yegen	MS-TEAMS
15:40-16:30	16:40-17:30	STUDY TIME		
16:40-17:30	17:40-18:30	STUDY TIME		
2nd Week (12 -16 December 2022)				
Cyprus Local Time	Turkey Local Time			
Monday		12 December		
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	IN CLASS

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14:40-15:30	15:40-16:30		Inst. Ayşe Kozansoy	
15:40-16:30	16:40-17:30	STUDY TIME		
16:40-17:30	17:40-18:30	STUDY TIME		
Tuesday		13 December		
08:40-09:30	09:40-10:30	STUDY TIME		
09:40-10:30	10:40-11:30	STUDY TIME		
10:40-11:30	11:40-12:30	Atatürk's Principles and History of Modern Turkey	Dr. Turgay Bülent Göktürk	IN CLASS
11:40-12:30	12:40-13:30	Atatürk's Principles and History of Modern Turkey	Dr. Turgay Bülent Göktürk	IN CLASS
13:40-14:30	14:40-15:30	Physical principles: Diffusion and facilitated transport	Dr. Hülya Cabadak	IN CLASS
14:40-15:30	15:40-16:30	Physical principles: Diffusion and facilitated transport	Dr. Hülya Cabadak	IN CLASS
15:40-16:30	16:40-17:30	Active transport and secondary active transport	Dr. Hülya Cabadak	IN CLASS
16:40-17:30	17:40-18:30	STUDY TIME		
Wednesday		14 December		
08:40-09:30	09:40-10:30	STUDY TIME		
09:40-10:30	10:40-11:30	Coupling of biological reactions with high energy metabolite	Dr. Hülya Cabadak	IN CLASS
10:40-11:30	11:40-12:30	Coupling of biological reactions with high energy metabolite	Dr. Hülya Cabadak	IN CLASS
11:40-12:30	12:40-13:30	Energetics of electron transport	Dr. Hülya Cabadak	IN CLASS
13:40-14:30	14:40-15:30	Introduction to statistical analysis	Dr. İlke Akçay	IN CLASS
14:40-15:30	15:40-16:30	Sampling, distribution and estimation	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		
Thursday		15 December		

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08:40-09:30	09:40-10:30	Y2C2 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	Introduction to metabolism and metabolic control	Dr. Goncagül Haklar	IN CLASS
14:40-15:30	15:40-16:30	Introduction to metabolism and metabolic control	Dr. Goncagül Haklar	IN CLASS
15:40-16:30	16:40-17:30	Role of organelles in the metabolism	Dr. Goncagül Haklar	IN CLASS
16:40-17:30	17:40-18:30	Overview of glycolysis	Dr. Goncagül Haklar	IN CLASS
Friday		16 December		
08:40-09:30	09:40-10:30	Reactions of glycolysis	Dr. Goncagül Haklar	IN CLASS
09:40-10:30	10:40-11:30	Reactions of glycolysis	Dr. Goncagül Haklar	IN CLASS
10:40-11:30	11:40-12:30	Regulation of glycolysis	Dr. Goncagül Haklar	IN CLASS
11:40-12:30	12:40-13:30	Regulation of glycolysis	Dr. Goncagül Haklar	IN CLASS
13:40-14:30	14:40-15:30	Tricarboxylic acid cycle and hexose monophosphate shunt	Dr. Goncagül Haklar	IN CLASS
14:40-15:30	15:40-16:30	Tricarboxylic acid cycle and hexose monophosphate shunt	Dr. Goncagül Haklar	IN CLASS
15:40-16:30	16:40-17:30	Tricarboxylic acid cycle and hexose monophosphate shunt	Dr. Goncagül Haklar	IN CLASS
16:40-17:30	17:40-18:30	Tricarboxylic acid cycle and hexose monophosphate shunt	Dr. Goncagül Haklar	IN CLASS
3rd Week (19-23 December 2022)				
Cyprus Local Time	Turkey Local Time			
Monday		19 December		
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			

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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	STUDY TIME		
16:40-17:30	17:40-18:30	STUDY TIME		
Tuesday		20 December		
08:40-09:30	09:40-10:30	STUDY TIME		
09:40-10:30	10:40-11:30	STUDY TIME		
10:40-11:30	11:40-12:30	Atatürk's Principles and History of Modern Turkey	Dr. Turgay Bülent Göktürk	MS-TEAMS
11:40-12:30	12:40-13:30	Atatürk's Principles and History of Modern Turkey	Dr. Turgay Bülent Göktürk	MS-TEAMS
13:40-14:30	14:40-15:30	Electrochemical potentials, Nernst potential	Dr. Banu Aydın Omay	MS-TEAMS
14:40-15:30	15:40-16:30	Membrane potentials and action potential	Dr. Pınar Mega Tiber	MS-TEAMS
15:40-16:30	16:40-17:30	Membrane potentials and action potential	Dr. Pınar Mega Tiber	MS-TEAMS
16:40-17:30	17:40-18:30	STUDY TIME		
Wednesday		21 December		
08:40-09:30	09:40-10:30	What is probability and probability distribution?	Dr. İlke Akçay	IN CLASS
09:40-10:30	10:40-11:30	Bayes' Theorem	Dr. İlke Akçay	IN CLASS
10:40-11:30	11:40-12:30	Principles of statistical analysis	Dr. İlke Akçay	IN CLASS
11:40-12:30	12:40-13:30	Elements of statistical interference	Dr. İlke Akçay	IN CLASS
13:40-14:30	14:40-15:30	Transport of substances	Dr. Özgür Kasımay	IN CLASS
14:40-15:30	15:40-16:30	Transport of substances	Dr. Özgür Kasımay	IN CLASS
15:40-16:30	16:40-17:30	Signal transduction	Dr. Özgür Kasımay	IN CLASS
16:40-17:30	17:40-18:30	Cell to cell adhesions	Dr. Özgür Kasımay	IN CLASS

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Thursday		22 December		
08:40-09:30	09:40-10:30	Physiology LAB: Cell Physiology-Group A	Dr. Özgür Kasımay Dr. Alper Yıldırım	Multidis. Lab
09:40-10:30	10:40-11:30	Physiology LAB: Cell Physiology-Group A	Dr. Özgür Kasımay Dr. Alper Yıldırım	Multidis. Lab
10:40-11:30	11:40-12:30	Physiology LAB: Cell Physiology-Group B	Dr. Özgür Kasımay Dr. Alper Yıldırım	Multidis. Lab
		Turkish For Medical Students-I (Interactive session)	Inst. Emine Özeriç	IN CLASS
11:40-12:30	12:40-13:30	Physiology LAB: Cell Physiology-Group B	Dr. Özgür Kasımay Dr. Alper Yıldırım	Multidis. Lab
		Turkish For Medical Students-I (Interactive session)	Inst. Emine Özeriç	IN CLASS
13:40-14:30	14:40-15:30	Electron transport chain	Dr. Goncagül Haklar	IN CLASS
14:40-15:30	15:40-16:30	Electron transport chain	Dr. Goncagül Haklar	IN CLASS
15:40-16:30	16:40-17:30	Oxidative Phosphorylation	Dr. Goncagül Haklar	IN CLASS
16:40-17:30	17:40-18:30	Oxidative Phosphorylation	Dr. Goncagül Haklar	IN CLASS
17:40-18:30	18:40-19:30	Intercellular communication	Dr. Alper Yıldırım	IN CLASS
Friday		23 December		
08:40-09:30	09:40-10:30	ICS-1 Research: Contents in the Introduction part of a research study	Dr. İlke Akçay	IN CLASS
09:40-10:30	10:40-11:30	ICS-1 Research: Topic & Title	Dr. İlke Akçay	IN CLASS
10:40-11:30	11:40-12:30	ICS-1 Research: General and Specific objectives	Dr. İlke Akçay	IN CLASS
11:40-12:30	12:40-13:30	ICS-1 Research: Writing a research question	Dr. İlke Akçay	IN CLASS
13:40-14:30	14:40-15:30	Turkish For Medical Students-I (Interactive session)	Inst. Emine Özeriç	IN CLASS
14:40-15:30	15:40-16:30	Turkish For Medical Students-I (Interactive session)	Inst. Emine Özeriç	IN CLASS
15:40-16:30	16:40-17:30	Importance of genome projects in medicine	Dr. Adil Şeytanoğlu	IN CLASS
16:40-17:30	17:40-18:30	Genome of mitochondria	Dr. Adil Şeytanoğlu	IN CLASS
4th Week (26-30 December 2022)				

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Cyprus Local Time	Turkey Local Time			
Monday		26 December		
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	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		27 December		
08:40-09:30	09:40-10:30	Applications of recombinant DNA technology in medicine-online	Dr. Mustafa Akkiprik	MS-TEAMS
09:40-10:30	10:40-11:30	Applications of recombinant DNA technology in medicine-online	Dr. Mustafa Akkiprik	MS-TEAMS
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	Introduction to bioelectricity-I	Dr. Cevdet Nacar	IN CLASS
14:40-15:30	15:40-16:30	Introduction to bioelectricity-I	Dr. Cevdet Nacar	IN CLASS
15:40-16:30	16:40-17:30	Introduction to bioelectricity-II	Dr. Cevdet Nacar	IN CLASS
16:40-17:30	17:40-18:30	Introduction to bioelectricity-II	Dr. Cevdet Nacar	IN CLASS
Wednesday		28 December		
08:40-09:30	09:40-10:30	Flow of energy in nature, first law of thermodynamics	Dr. Cevdet Nacar	IN CLASS
09:40-10:30	10:40-11:30	Flow of energy in nature, first law of thermodynamics	Dr. Cevdet Nacar	IN CLASS

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10:40-11:30	11:40-12:30	The second law of thermodynamics, entropy, free energy	Dr. Cevdet Nacar	IN CLASS
11:40-12:30	12:40-13:30	The second law of thermodynamics, entropy, free energy	Dr. Cevdet Nacar	IN CLASS
13:40-14:30	14:40-15:30	Free energy and thermodynamic properties of water	Dr. Cevdet Nacar	IN CLASS
14:40-15:30	15:40-16:30	PBL-1	Dr. Eda Becer Dr. Amber Eker Dr. Mümtaz Güran Dr. Ergül Mutlu Altundağ Dr. Maryam Norouzbahari Inst. Katriye Komili	IN CLASS
15:40-16:30	16:40-17:30	PBL-1		
16:40-17:30	17:40-18:30	STUDY TIME		
Thursday		29 December		
08:40-09:30	09:40-10:30	Oxidation of lipids	Dr. Saime Batirel	IN CLASS
09:40-10:30	10:40-11:30	Oxidation of lipids	Dr. Saime Batirel	IN CLASS
10:40-11:30	11:40-12:30	ICS-1 Research: Contents in the Material and Methods part of a research study	Dr. İlke Akçay	IN CLASS
11:40-12:30	12:40-13:30	ICS-1 Research: Questionnaire as a data collection tool	Dr. İlke Akçay	IN CLASS
13:40-14:30	14:40-15:30	ICS-1 Research: Questionnaire design	Dr. İlke Akçay	IN CLASS
14:40-15:30	15:40-16:30	ICS-1 Research: Questionnaire design	Dr. İlke Akçay	IN CLASS
15:40-16:30	16:40-17:30	Biosynthesis of lipids	Dr. Saime Batirel	IN CLASS
16:40-17:30	17:40-18:30	Biosynthesis of lipids	Dr. Saime Batirel	IN CLASS
Friday		30 December		
08:40-09:30	09:40-10:30	Biosynthesis of lipids	Dr. Saime Batirel	IN CLASS
09:40-10:30	10:40-11:30	Biosynthesis of lipids	Dr. Saime Batirel	IN CLASS
10:40-11:30	11:40-12:30	Gluconeogenesis and glycogen metabolism-1	Dr. Saime Batirel	IN CLASS
11:40-12:30	12:40-13:30	Gluconeogenesis and glycogen metabolism-1	Dr. Saime Batirel	IN CLASS

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13:40-14:30	14:40-15:30	Gluconeogenesis and glycogen metabolism-2	Dr. Saime Batirel	IN CLASS
14:40-15:30	15:40-16:30	Gluconeogenesis and glycogen metabolism-2	Dr. Saime Batirel	IN CLASS
15:40-16:30	16:40-17:30	STUDY TIME		
16:40-17:30	17:40-18:30	STUDY TIME		
5th Week (02-06 January 2023)				
Cyprus Local Time	Turkey Local Time			
Monday		02 January		
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	Turkish for Medical Students-I (Foreign Students)	Inst. Şerife Ç. Sökmez	IN CLASS
10:40-11:30	11:40-12:30	Turkish for Medical Students-I (Foreign Students)	Inst. Şerife Ç. Sökmez	IN CLASS
11:40-12:30	12:40-13:30	Turkish for Medical Students-I (Foreign Students)	Inst. Şerife Ç. Sökmez	IN CLASS
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		03 January		
08:40-09:30	09:40-10:30	STUDY TIME		
09:40-10:30	10:40-11:30	STUDY TIME		
10:40-11:30	11:40-12:30	Atatürk's Principles and History of Modern Turkey	Dr. Turgay Bülent Göktürk	MS-TEAMS
11:40-12:30	12:40-13:30	Atatürk's Principles and History of Modern Turkey	Dr. Turgay Bülent Göktürk	MS-TEAMS
13:40-14:30	14:40-15:30	PBL-2	Dr. Eda Becer Dr. Nilüfer Güzoğlu Dr. Mümtaz Güran	IN CLASS

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14:40-15:30	15:40-16:30	PBL-2	Dr. Ergül Mutlu Altundağ Dr. Maryam Norouzabahari Inst. Katriye Komili	
15:40-16:30	16:40-17:30	Testing statistical hypothesis	Dr. İlke Akçay	IN CLASS
16:40-17:30	17:40-18:30	Types of errors in statistical inference	Dr. İlke Akçay	IN CLASS
Wednesday		04 January		
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	Biochemistry LAB: Electron Transport Chain-Group A	Dr. Ergül Mutlu Altundağ	IN CLASS
		Turkish for Medical Students-I (Foreign Students)	Inst. Şerife Ç. Sökmez	IN CLASS
10:40-11:30	11:40-12:30	Biochemistry LAB: Electron Transport Chain-Group A	Dr. Ergül Mutlu Altundağ	IN CLASS
		Turkish for Medical Students-I (Foreign Students)	Inst. Şerife Ç. Sökmez	IN CLASS
11:40-12:30	12:40-13:30	Biochemistry LAB: Electron Transport Chain-Group A	Dr. Ergül Mutlu Altundağ	IN CLASS
		Turkish for Medical Students-I (Foreign Students)	Inst. Şerife Ç. Sökmez	IN CLASS
13:40-14:30	14:40-15:30	Biochemistry LAB: Electron Transport Chain-Group B	Dr. Ergül Mutlu Altundağ	IN CLASS
14:40-15:30	15:40-16:30	Biochemistry LAB: Electron Transport Chain-Group B	Dr. Ergül Mutlu Altundağ	IN CLASS
15:40-16:30	16:40-17:30	Biochemistry LAB: Electron Transport Chain-Group B	Dr. Ergül Mutlu Altundağ	IN CLASS
16:40-17:30	17:40-18:30	STUDY TIME		
Thursday		05 January		
08:40-09:30	09:40-10:30	STUDY TIME		
09:40-10:30	10:40-11:30	ICS-1: Communication Skills and Introduction to Medical Interview	Dr. Sinem Yıldız İnanıcı Dr. Nilüfer Güzoğlu Dr. Ayşe Atasoylu Dr. Amber Eker	IN CLASS

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10:40-11:30	11:40-12:30	ICS-1: Communication Skills and Introduction to Medical Interview	Dr. Sinem Yıldız İnanıcı Dr. Nilüfer Güzoğlu Dr. Ayşe Atasoylu Dr. Amber Eker	IN CLASS
11:40-12:30	12:40-13:30	ICS-1: Communication Skills and Introduction to Medical Interview	Dr. Sinem Yıldız İnanıcı Dr. Nilüfer Güzoğlu Dr. Ayşe Atasoylu Dr. Amber Eker	IN CLASS
13:40-14:30	14:40-15:30	ICS-1: Communication Skills and Introduction to Medical Interview	Dr. Sinem Yıldız İnanıcı Dr. Nilüfer Güzoğlu Dr. Ayşe Atasoylu Dr. Amber Eker	IN CLASS
14:40-15:30	15:40-16:30	ICS-1: Communication Skills and Introduction to Medical Interview	Dr. Sinem Yıldız İnanıcı Dr. Nilüfer Güzoğlu Dr. Ayşe Atasoylu Dr. Amber Eker	IN CLASS
15:40-16:30	16:40-17:30	ICS-1: Communication Skills and Introduction to Medical Interview	Dr. Sinem Yıldız İnanıcı Dr. Nilüfer Güzoğlu Dr. Ayşe Atasoylu Dr. Amber Eker	IN CLASS
16:40-17:30	17:40-18:30	ICS-1: Communication Skills and Introduction to Medical Interview	Dr. Sinem Yıldız İnanıcı Dr. Nilüfer Güzoğlu Dr. Ayşe Atasoylu Dr. Amber Eker	IN CLASS
Friday		06 January		
08:40-09:30	09:40-10:30	STUDY TIME		
09:40-10:30	10:40-11:30	ICS-1: Communication Skills and Introduction to Medical Interview	Dr. Sinem Yıldız İnanıcı Dr. Nilüfer Güzoğlu Dr. Ayşe Atasoylu Dr. Amber Eker	IN CLASS
10:40-11:30	11:40-12:30	ICS-1: Communication Skills and Introduction to Medical Interview	Dr. Sinem Yıldız İnanıcı Dr. Nilüfer Güzoğlu Dr. Ayşe Atasoylu Dr. Amber Eker	IN CLASS

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11:40-12:30	12:40-13:30	ICS-1: Communication Skills and Introduction to Medical Interview	Dr. Sinem Yıldız İnanıcı Dr. Nilüfer Güzoğlu Dr. Ayşe Atasoylu Dr. Amber Eker	IN CLASS
13:40-14:30	14:40-15:30	PBL-3	Dr. Eda Becer Dr. Nilüfer Güzoğlu Dr. Mümtaz Güran Dr. Ergül Mutlu Altundağ Dr. Maryam Norouzabahari Inst. Katriye Komili	IN CLASS
14:40-15:30	15:40-16:30	PBL-3		
15:40-16:30	16:40-17:30	STUDY TIME		
16:40-17:30	17:40-18:30	STUDY TIME		
6th Week (09-13 January 2023)				
Cyprus Local Time	Turkey Local Time			
Monday		09 January		
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	Turkish for Medical Students-I (Foreign Students)	Inst. Şerife Ç. Sökmez	IN CLASS
10:40-11:30	11:40-12:30	Turkish for Medical Students-I (Foreign Students)	Inst. Şerife Ç. Sökmez	IN CLASS
11:40-12:30	12:40-13:30	Turkish for Medical Students-I (Foreign Students)	Inst. Şerife Ç. Sökmez	IN CLASS
13:40-14:30	14:40-15:30	Let's Discover Mental Wellbeing Together Seminar	Inst. Hatice Tüfekçioğlu Inst. Halide Sarp	Rauf Raif Denktas Culture and Congress Center
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		10 January		

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08:40-09:30	09:40-10:30	STUDY TIME		
09:40-10:30	10:40-11:30	STUDY TIME		
10:40-11:30	11:40-12:30	Atatürk's Principles and History of Modern Turkey 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	PBL-4	Dr. Eda Becer Dr. Nilüfer Güzoğlu Dr. Mümtaz Güran Dr. Ergül Mutlu Altundağ	IN CLASS
14:40-15:30	15:40-16:30	PBL-4	Dr. Maryam Norouzabahari Inst. Katriye Komili	
15:40-16:30	16:40-17:30	Difference between parametric and nonparametric methods; Introduction to parametric methods	Dr. İlke Akçay	IN CLASS
16:40-17:30	17:40-18:30	One sample t-test, unpaired t-test and paired t-test	Dr. İlke Akçay	IN CLASS
Wednesday		11 January		
08:40-09:30	09:40-10:30	STUDY TIME		
09:40-10:30	10:40-11:30	Biochemistry LAB: Anaerobic Glycolysis-Group A	Dr. Ergül Mutlu Altundağ Dr. Ayşe Mine Yılmaz	IN CLASS
10:40-11:30	11:40-12:30	Biochemistry LAB: Anaerobic Glycolysis-Group A	Dr. Ergül Mutlu Altundağ Dr. Ayşe Mine Yılmaz	IN CLASS
11:40-12:30	12:40-13:30	Biochemistry LAB: Anaerobic Glycolysis-Group A	Dr. Ergül Mutlu Altundağ Dr. Ayşe Mine Yılmaz	IN CLASS
13:40-14:30	14:40-15:30	Biochemistry LAB: Anaerobic Glycolysis-Group A	Dr. Ergül Mutlu Altundağ Dr. Ayşe Mine Yılmaz	IN CLASS
14:40-15:30	15:40-16:30	Biochemistry LAB: Anaerobic Glycolysis-Group A	Dr. Ergül Mutlu Altundağ Dr. Ayşe Mine Yılmaz	IN CLASS
15:40-16:30	16:40-17:30	Biochemistry LAB: Anaerobic Glycolysis-Group A	Dr. Ergül Mutlu Altundağ	IN CLASS

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			Dr. Ayşe Mine Yılmaz	
16:40-17:30	17:40-18:30	STUDY TIME		
Thursday		12 January		
08:40-09:30	09:40-10:30	STUDY TIME		
09:40-10:30	10:40-11:30	Biochemistry LAB: Anaerobic Glycolysis-Group B	Dr. Ergül Mutlu Altundağ Dr. Ayşe Mine Yılmaz	IN CLASS
10:40-11:30	11:40-12:30	Biochemistry LAB: Anaerobic Glycolysis-Group B	Dr. Ergül Mutlu Altundağ Dr. Ayşe Mine Yılmaz	IN CLASS
11:40-12:30	12:40-13:30	Biochemistry LAB: Anaerobic Glycolysis-Group B	Dr. Ergül Mutlu Altundağ Dr. Ayşe Mine Yılmaz	IN CLASS
13:40-14:30	14:40-15:30	Biochemistry LAB: Anaerobic Glycolysis-Group B	Dr. Ergül Mutlu Altundağ Dr. Ayşe Mine Yılmaz	IN CLASS
14:40-15:30	15:40-16:30	Biochemistry LAB: Anaerobic Glycolysis-Group B	Dr. Ergül Mutlu Altundağ Dr. Ayşe Mine Yılmaz	IN CLASS
15:40-16:30	16:40-17:30	Biochemistry LAB: Anaerobic Glycolysis-Group B	Dr. Ergül Mutlu Altundağ Dr. Ayşe Mine Yılmaz	IN CLASS
16:40-17:30	17:40-18:30	STUDY TIME		
Friday		13 January		
08:40-09:30	09:40-10:30	ICS-1 First Aid: Written Exam	Dr. Bülent Sezgin	IN CLASS
09:40-10:30	10:40-11:30	ICS-1 First Aid: Practical Exam	Dr. Nilüfer Güzoğlu Dr. Amber Eker Dr. Bülent Sezgin Dr. Ayşe Atasoylu	IN CLASS
10:40-11:30	11:40-12:30	ICS-1 First Aid: Practical Exam		
11:40-12:30	12:40-13:30	ICS-1 First Aid: Practical Exam		
13:40-14:30	14:40-15:30	ICS-1 First Aid: Practical Exam	Dr. Nilüfer Güzoğlu Dr. Amber Eker Dr. Bülent Sezgin Dr. Ayşe Atasoylu	IN CLASS
14:40-15:30	15:40-16:30	ICS-1 First Aid: Practical Exam		
15:40-16:30	16:40-17:30	ICS-1 First Aid: Practical Exam		
16:40-17:30	17:40-18:30	ICS-1 First Aid: Practical Exam		

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		7th Week (16-20 January 2023)		
Cyprus Local Time	Turkey Local Time			
Monday		16 January		
08:40-09:30	09:40-10:30	STUDY TIME		
09:40-10:30	10:40-11:30	STUDY TIME		
10:40-11:30	11:40-12:30	STUDY TIME		
11:40-12:30	12:40-13:30	STUDY TIME		
13:40-14:30	14:40-15:30	STUDY TIME		
14:40-15:30	15:40-16:30	STUDY TIME		
15:40-16:30	16:40-17:30	STUDY TIME		
16:40-17:30	17:40-18:30	STUDY TIME		
Tuesday		17 January		
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		18 January		
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		

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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		19 January		
08:40-09:30	09:40-10:30	Y1C2 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	Committee Exam Feedback Session	Dr. Ergül Mutlu Altundağ Dr. Halil Eren sakallı	IN CLASS
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		20 January		
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			