

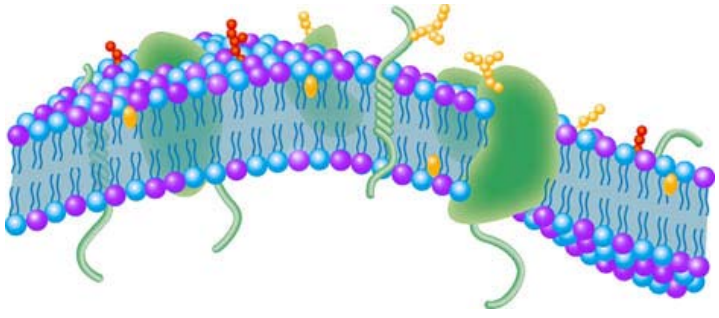


Last updated on 25 December, 2023

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 Tıp Fakültesi		MARMARA UNIVERSITY EASTERN MEDITERRANEAN UNIVERSITY INTERNATIONAL MEDICAL SCHOOL		
				
CELLULAR METABOLISM AND TRANSPORT YEAR 1 COURSE 2 November 27th, 2023 – January 11th, 2024				
Year 1 Coordinators Prof. Mustafa AKKİPRİK & Prof. Dilek AKAKIN & Assoc. Prof. Ergül MUTLU ALTUNDAĞ				
PBL Module Coordinator Prof. Rezzan Gülhan Assoc. Prof. Nilüfer GÜZOĞLU		Coordinator of Multidisciplinary Students' Lab. Prof. Betül YILMAZ Assoc. Prof. Ergül MUTLU ALTUNDAĞ		
Coordinator of Clinical Skill Lab. Prof. Pemra ÜNALAN Assist. Prof. Bülent SEZGİN		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) (a) Assist. Prof. İlke AKÇAY		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 	<ul style="list-style-type: none"> • Medical Biology • Physiology
LECTURERS / TUTORS	
<p>Adil Şeytanoğlu, Assist. Prof., Molecular Biology and Genetics</p> <p>Alper Yıldırım, Prof., Physiology</p> <p>Amber Eker, Assoc. Prof., Neurology</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>Betül Yılmaz, Prof., Medical Biochemistry</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>Ergül Mutlu Altundağ, Assoc., Prof., Medical Biochemistry</p> <p>Goncagül Haklar, Prof., Medical Biochemistry</p> <p>Hülya Cabadak Prof., Biophysics</p>	<p>Hüseyin Beyaz, Inst., PBL</p> <p>İlke Akçay, Assist. Prof., Biostatistics</p> <p>Kadir Çakıral, Inst., PBL</p> <p>Mustafa Akkiprik, Prof., Medical Biology</p> <p>Mustafa Batıbeniz, Inst., Arts and Crafts</p> <p>Nilüfer Güzoğlu, Assoc. Prof., Neonatology</p> <p>Özgür Kasımay, Prof., Physiology</p> <p>Pınar Mega Tiber, Prof., Biophysics</p> <p>Saime Batirel, Assoc. Prof., Medical Biochemistry</p> <p>Sinem Yıldız İnanıcı, Assist. Prof., Medical Education</p> <p>Turgay Bülent Göktürk, Assist. Prof., Atatürk's Principles and History of Modern Turkey</p> <p>Yelda Çubukçu, Inst., Turkish Language</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. • Temel Biyoistatistik, Mustafa Şenocak, Çağlayan Kitapevi, İstanbul 1990 	

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<ul style="list-style-type: none"> • 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

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	4	14
ICS-1: First aid			
ENGL131 - Medical English	10		10
HIST180 - Atatürk's Principles and the History of Turkish Renovation (for Turkish students)	12		12
TFMS101 – Turkish for Medical Students-I (Foreign Students)	20		20
TFMS101 - Turkish for Medical Students-I (Interactive session)			
Elective Courses MDCN181, MDCN182, MDCN125	4		4
TOTAL	132	15	147

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		THEORETICAL AND PRACTICAL SESSIONS	LECTURER/TUTOR	LECTURE PLATFORM
1st Week (27 November -01 December 2023)				
Cyprus Local Time	Turkey Local Time			
Monday		27 November		
08:40-09:30	09:40-10:30	Turkish for Medical Students-I (Foreign Students)	Sr. Inst. Yelda Çubukçu	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 Gönenc 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		28 November		
08:40-09:30	09:40-10:30	Introduction to the course	Dr. Ergül Mutlu Altundağ	MS TEAMS
09:40-10:30	10:40-11:30	STUDY TIME		
10:40-11:30	11:40-12:30	Atatürk's Principles and History of Modern Turkey	Dr. Turgay Bülent Göktürk	MS TEAMS
11:40-12:30	12:40-13:30	Atatürk's Principles and History of Modern Turkey	Dr. Turgay Bülent Göktürk	MS TEAMS
13:40-14:30	14:40-15:30	STUDY TIME		
14:40-15:30	15:40-16:30	Physical characteristics of membrane structure and function	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		29 November		
08:40-09:30	09:40-10:30	STUDY TIME		

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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	ICS-1 Research: Contents in the Introduction part of a research study	Dr. İlke Akçay	IN CLASS
14:40-15:30	15:40-16:30	ICS-1 Research: Topic & Title	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		30 November		
08:40-09:30	09:40-10:30	STUDY TIME		
09:40-10:30	10:40-11:30	Homeostasis	Dr. Berrak Yegen	MS TEAMS
10:40-11:30	11:40-12:30	Bioelectric potentials	Dr. Berrak Yegen	MS TEAMS
11:40-12:30	12:40-13:30	Bioelectric potentials	Dr. Berrak Yegen	MS TEAMS
13:40-14:30	14:40-15:30	Turkish for Medical Students-I (Interactive session for Foreign Students)	Dr. Emine Özerinç	IN CLASS
14:40-15:30	15:40-16:30	Turkish for Medical Students-I (Interactive session for Foreign Students)	Dr. Emine Özerinç	IN CLASS
15:40-16:30	16:40-17:30	Turkish for Medical Students-I (Interactive session for Foreign Students)	Dr. Emine Özerinç	IN CLASS
16:40-17:30	17:40-18:30	STUDY TIME		
Friday		01 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	ICS-1 Research: General and Specific objectives	Dr. İlke Akçay	IN CLASS

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14:40-15:30	15:40-16:30	ICS-1 Research: Writing a research question	Dr. İlke Akçay	IN CLASS
15:40-16:30	16:40-17:30	ICS-1 Research: Contents in the Material and Methods part of a research study	Dr. İlke Akçay	IN CLASS
16:40-17:30	17:40-18:30	ICS-1 Research: Questionnaire as a data collection tool	Dr. İlke Akçay	IN CLASS
2nd Week (04 December -08 December 2023)				
Cyprus Local Time	Turkey Local Time			
Monday		04 December		
08:40-09:30	09:40-10:30	Turkish for Medical Students-I (Foreign Students)	Sr. Inst. Yelda Çubukçu	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 Gönenc Inst. Ayşe Kozansoy	IN CLASS
14:40-15:30	15:40-16:30			
15:40-16:30	16:40-17:30	Introduction to statistical analysis	Dr. İlke Akçay	IN CLASS
16:40-17:30	17:40-18:30	Sampling, distribution and estimation	Dr. İlke Akçay	IN CLASS
Tuesday		05 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	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

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16:40-17:30	17:40-18:30	STUDY TIME		
Wednesday		06 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 metabolism and metabolic control	Dr. Betül Yılmaz	IN CLASS
14:40-15:30	15:40-16:30	Introduction to metabolism and metabolic control	Dr. Betül Yılmaz	IN CLASS
15:40-16:30	16:40-17:30	Role of organelles in the metabolism	Dr. Betül Yılmaz	IN CLASS
16:40-17:30	17:40-18:30	Overview of glycolysis	Dr. Betül Yılmaz	IN CLASS
Thursday		07 December		
08:40-09:30	09:40-10:30	Y2C2 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	Reactions of glycolysis	Dr. Betül Yılmaz	IN CLASS
14:40-15:30	15:40-16:30	Reactions of glycolysis	Dr. Betül Yılmaz	IN CLASS
15:40-16:30	16:40-17:30	Regulation of glycolysis	Dr. Betül Yılmaz	IN CLASS
16:40-17:30	17:40-18:30	Regulation of glycolysis	Dr. Betül Yılmaz	IN CLASS
Friday		08 December		
08:40-09:30	09:40-10:30	Importance of genome projects in medicine	Dr. Adil Şeytanoğlu	IN CLASS
09:40-10:30	10:40-11:30	Genome of mitochondria	Dr. Adil Şeytanoğlu	IN CLASS
10:40-11:30	11:40-12:30	Tricarboxylic acid cycle and hexose monophosphate shunt	Dr. Goncagül Haklar	IN CLASS

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11:40-12:30	12:40-13:30	Tricarboxylic acid cycle and hexose monophosphate shunt	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	What is probability and probability distribution?	Dr. İlke Akçay	IN CLASS
16:40-17:30	17:40-18:30	Bayes' Theorem	Dr. İlke Akçay	IN CLASS
3rd Week (11 December-15 December 2023)				
Cyprus Local Time	Turkey Local Time			
Monday		11 December		
08:40-09:30	09:40-10:30	Turkish for Medical Students-I (Foreign Students)	Sr. Inst. Yelda Çubukçu	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 Gönenc Inst. Ayşe Kozansoy	IN CLASS
14:40-15:30	15:40-16:30			
15:40-16:30	16:40-17:30	Principles of statistical analysis	Dr. İlke Akçay	IN CLASS
16:40-17:30	17:40-18:30	Elements of statistical inference	Dr. İlke Akçay	IN CLASS
Tuesday		12 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
		Turkish for Medical Students-I (Foreign Students)	Sr. Inst. Yelda Çubukçu	IN CLASS

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11:40-12:30	12:40-13:30	Atatürk's Principles and History of Modern Turkey	Dr. Turgay Bülent Göktürk	MS TEAMS
		Turkish for Medical Students-I (Foreign Students)	Sr. Inst. Yelda Çubukçu	IN CLASS
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	ICS-1: Make- up session	Dr. Bülent Sezgin	IN CLASS
15:40-16:30	16:40-17:30	STUDY TIME		
16:40-17:30	17:40-18:30	STUDY TIME		
Wednesday		13 December		
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. Bülent Sezgin Dr. Nilüfer Güzoğlu Dr. Amber Eker Dr. Zehra Boracı	ICP LAB
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. Bülent Sezgin Dr. Nilüfer Güzoğlu Dr. Amber Eker Dr. Zehra Boracı	ICP LAB
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		
Thursday		14 December		
08:40-09:30	09:40-10:30	Y3C2 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	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

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17:40-18:30	18:40-19:30	Flow of energy in nature, first law of thermodynamics	Dr. Cevdet Nacar	IN CLASS
Friday		15 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	The second law of thermodynamics, entropy, free energy	Dr. Cevdet Nacar	IN CLASS
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	Free energy and thermodynamic properties of water	Dr. Cevdet Nacar	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
4th Week (18 December-22 December 2023)				
Cyprus Local Time	Turkey Local Time			
Monday		18 December		
08:40-09:30	09:40-10:30	Turkish for Medical Students-I (Foreign Students)	Sr. Inst. Yelda Çubukçu	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 Gönenc 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		19 December		

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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	Applications of recombinant DNA technology in medicine	Dr. Mustafa Akkiprik	MS TEAMS
11:40-12:30	12:40-13:30	Applications of recombinant DNA technology in medicine	Dr. Mustafa Akkiprik	MS TEAMS
13:40-14:30	14:40-15:30	PBL-1 Cystic Fibrosis	Dr. Amber Eker Dr. Ergül Mutlu Altundağ Dr. Nilüfer Güzoğlu Inst. Kadir Çakıral Inst. Hüseyin Beyaz	IN CLASS
14:40-15:30	15:40-16:30	PBL-1 Cystic Fibrosis		
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		20 December		
08:40-09:30	09:40-10:30	Transport of substances	Dr. Özgür Kasımay	IN CLASS
09:40-10:30	10:40-11:30	Transport of substances	Dr. Özgür Kasımay	IN CLASS
10:40-11:30	11:40-12:30	Signal transduction	Dr. Özgür Kasımay	IN CLASS
11:40-12:30	12:40-13:30	Cell to cell adhesions	Dr. Özgür Kasımay	IN CLASS
13:40-14:30	14:40-15:30	Intercellular communication	Dr. Alper Yıldırım	IN CLASS
14:40-15:30	15:40-16:30	Physiology LAB: Cell Physiology-Group A	Dr. Özgür Kasımay Dr. Alper Yıldırım	IN CLASS
15:40-16:30	16:40-17:30	Physiology LAB: Cell Physiology-Group A	Dr. Özgür Kasımay Dr. Alper Yıldırım	IN CLASS
16:40-17:30	17:40-18:30	Physiology LAB: Cell Physiology-Group B	Dr. Özgür Kasımay Dr. Alper Yıldırım	IN CLASS
17:40-18:30	18:40-19:30	Physiology LAB: Cell Physiology-Group B	Dr. Özgür Kasımay Dr. Alper Yıldırım	IN CLASS
Thursday		21 December		
08:40-09:30	09:40-10:30	STUDY TIME		
09:40-10:30	10:40-11:30	STUDY TIME		

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10:40-11:30	11:40-12:30	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	Oxidation of lipids	Dr. Saime Batirel	IN CLASS
14:40-15:30	15:40-16:30	Oxidation of lipids	Dr. Saime Batirel	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		22 December		
08:40-09:30	09:40-10:30	STUDY TIME		
09:40-10:30	10:40-11:30	Biosynthesis of lipids	Dr. Saime Batirel	IN CLASS
10:40-11:30	11:40-12:30	Biosynthesis of lipids	Dr. Saime Batirel	IN CLASS
11:40-12:30	12:40-13:30	Gluconeogenesis and glycogen metabolism-1	Dr. Saime Batirel	IN CLASS
13:40-14:30	14:40-15:30	Gluconeogenesis and glycogen metabolism-1	Dr. Saime Batirel	IN CLASS
14:40-15:30	15:40-16:30	Gluconeogenesis and glycogen metabolism-2	Dr. Ayşe Mine Yılmaz	MS TEAMS
15:40-16:30	16:40-17:30	Gluconeogenesis and glycogen metabolism-2	Dr. Ayşe Mine Yılmaz	MS TEAMS
16:40-17:30	17:40-18:30	STUDY TIME		
5th Week (25 December-29 December 2023)				
Cyprus Local Time	Turkey Local Time			
Monday		25 December		
08:40-09:30	09:40-10:30	Turkish for Medical Students-I (Foreign Students)	Sr. Inst. Yelda Çubukçu	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 Gönenc Inst. Ayşe Kozansoy	IN CLASS
14:40-15:30	15:40-16:30			

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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		26 December		
08:40-09:30	09:40-10:30	STUDY TIME		
09:40-10:30	10:40-11:30	TFMS101 - Turkish for Medical Students-I (Interactive session)	Inst. Emine Özerinç	IN CLASS
10:40-11:30	11:40-12:30	TFMS101 - Turkish for Medical Students-I (Interactive session)	Inst. Emine Özerinç	IN CLASS
		Atatürk's Principles and History of Modern Turkey EXAM	Dr. Turgay Bülent Göktürk	IN CLASS
11:40-12:30	12:40-13:30	TFMS101 - Turkish for Medical Students-I (Interactive session)	Inst. Emine Özerinç	IN CLASS
		Atatürk's Principles and History of Modern Turkey EXAM	Dr. Turgay Bülent Göktürk	IN CLASS
13:40-14:30	14:40-15:30	PBL-2 Cystic Fibrozis	Dr. Amber Eker Dr. Ergül Mutlu Altundağ	IN CLASS
14:40-15:30	15:40-16:30	PBL-2 Cystic Fibrozis	Dr. Nilüfer Güzoğlu Inst. Kadir Çakıral Inst. Hüseyin Beyaz	
15:40-16:30	16:40-17:30	STUDY TIME		
16:40-17:30	17:40-18:30	STUDY TIME		
Wednesday		27 December		
08:40-09:30	09:40-10:30	ICS-1 Research: Critics with groups	Dr. İlke Akçay	IN CLASS
09:40-10:30	10:40-11:30	ICS-1 Research: Critics with groups	Dr. İlke Akçay	IN CLASS
10:40-11:30	11:40-12:30	ICS-1 Research: Critics with groups	Dr. İlke Akçay	IN CLASS
11:40-12:30	12:40-13:30	ICS-1 Research: Critics with groups	Dr. İlke Akçay	IN CLASS
13:40-14:30	14:40-15:30	ICS-1 Research: Critics with groups	Dr. İlke Akçay	IN CLASS
14:40-15:30	15:40-16:30	ICS-1 Research: Critics with groups	Dr. İlke Akçay	IN CLASS
15:40-16:30	16:40-17:30	ICS-1 Research: Critics with groups	Dr. İlke Akçay	IN CLASS
16:40-17:30	17:40-18:30	ICS-1 Research: Critics with groups	Dr. İlke Akçay	IN CLASS

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Thursday		28 December		
08:40-09:30	09:40-10:30	ICS-1 Research: Questionnaire design	Dr. İlke Akçay	IN CLASS
09:40-10:30	10:40-11:30	ICS-1 Research: Questionnaire design	Dr. İlke Akçay	IN CLASS
10:40-11:30	11:40-12:30	ICS-1 Research: Study population and Sample Size Calculation	Dr. İlke Akçay	IN CLASS
11:40-12:30	12:40-13:30	ICS-1 Research: Study population and Sample Size Calculation	Dr. İlke Akçay	IN CLASS
13:40-14:30	14:40-15:30	Biochemistry LAB: Electron Transport Chain-Group B	Dr. Ergül Mutlu Altundağ	Multidisciplinary Lab.
14:40-15:30	15:40-16:30	Biochemistry LAB: Electron Transport Chain-Group B	Dr. Ergül Mutlu Altundağ	Multidisciplinary Lab.
15:40-16:30	16:40-17:30	Biochemistry LAB: Electron Transport Chain-Group B	Dr. Ergül Mutlu Altundağ	Multidisciplinary Lab.
16:40-17:30	17:40-18:30	STUDY TIME		
Friday		29 December		
08:40-09:30	09:40-10:30	STUDY TIME		
09:40-10:30	10:40-11:30	Biochemistry LAB: Electron Transport Chain-Group A	Dr. Ergül Mutlu Altundağ	Multidisciplinary Lab.
10:40-11:30	11:40-12:30	Biochemistry LAB: Electron Transport Chain-Group A	Dr. Ergül Mutlu Altundağ	Multidisciplinary Lab.
11:40-12:30	12:40-13:30	Biochemistry LAB: Electron Transport Chain-Group A	Dr. Ergül Mutlu Altundağ	Multidisciplinary Lab.
13:40-14:30	14:40-15:30	PBL-3 Cystic Fibrosis	Dr. Amber Eker Dr. Ergül Mutlu Altundağ	IN CLASS
14:40-15:30	15:40-16:30	PBL-3 Cystic Fibrosis	Dr. Nilüfer Güzoğlu Inst. Kadir Çakıral Inst. Hüseyin Beyaz	IN CLASS
15:40-16:30	16:40-17:30	ICS-1 Research: Choosing appropriate Sampling method	Dr. İlke Akçay	IN CLASS
16:40-17:30	17:40-18:30	ICS-1 Research: Choosing appropriate Sampling method	Dr. İlke Akçay	IN CLASS

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		6 th Week (01 January -05 January 2024)		
Cyprus Local Time	Turkey Local Time			
Monday		01 January		
08:40-09:30	09:40-10:30	NEW YEAR'S DAY		
09:40-10:30	10:40-11:30			
10:40-11:30	11:40-12:30			
11:40-12:30	12:40-13:30			
13:40-14:30	14:40-15:30			
14:40-15:30	15:40-16:30			
15:40-16:30	16:40-17:30			
16:40-17:30	17:40-18:30			
Tuesday		02 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-4 Cystic Fibrosis	Dr. Amber Eker Dr. Ergül Mutlu Altundağ	IN CLASS
14:40-15:30	15:40-16:30	PBL-4 Cystic Fibrosis	Dr. Nilüfer Güzoğlu Inst. Kadir Çakıral Inst. Hüseyin Beyaz	IN CLASS
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

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Wednesday		03 January		
08:40-09:30	09:40-10:30	STUDY TIME		
09:40-10:30	10:40-11:30	Membrane potentials and action potential	Dr. Pinar Mega Tiber	MS TEAMS
10:40-11:30	11:40-12:30	Membrane potentials and action potential	Dr. Pinar Mega Tiber	MS TEAMS
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		04 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	Multidisciplinary Lab.
10:40-11:30	11:40-12:30	Biochemistry LAB: Anaerobic Glycolysis-Group A	Dr. Ergül Mutlu Altundağ Dr. Ayşe Mine Yılmaz	Multidisciplinary Lab.
11:40-12:30	12:40-13:30	Biochemistry LAB: Anaerobic Glycolysis-Group A	Dr. Ergül Mutlu Altundağ Dr. Ayşe Mine Yılmaz	Multidisciplinary Lab.
13:40-14:30	14:40-15:30	Biochemistry LAB: Anaerobic Glycolysis-Group A	Dr. Ergül Mutlu Altundağ Dr. Ayşe Mine Yılmaz	Multidisciplinary Lab.
14:40-15:30	15:40-16:30	Biochemistry LAB: Anaerobic Glycolysis-Group A	Dr. Ergül Mutlu Altundağ Dr. Ayşe Mine Yılmaz	Multidisciplinary Lab.
15:40-16:30	16:40-17:30	Biochemistry LAB: Anaerobic Glycolysis-Group A	Dr. Ergül Mutlu Altundağ Dr. Ayşe Mine Yılmaz	Multidisciplinary Lab.
16:40-17:30	17:40-18:30	STUDY TIME		
Friday		05 January		
08:40-09:30	09:40-10:30	STUDY TIME		

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09:40-10:30	10:40-11:30	Biochemistry LAB: Anaerobic Glycolysis-Group B	Dr. Ergül Mutlu Altundağ Dr. Ayşe Mine Yılmaz	Multidisciplinary Lab.
10:40-11:30	11:40-12:30	Biochemistry LAB: Anaerobic Glycolysis-Group B	Dr. Ergül Mutlu Altundağ Dr. Ayşe Mine Yılmaz	Multidisciplinary Lab.
11:40-12:30	12:40-13:30	Biochemistry LAB: Anaerobic Glycolysis-Group B	Dr. Ergül Mutlu Altundağ Dr. Ayşe Mine Yılmaz	Multidisciplinary Lab.
13:40-14:30	14:40-15:30	Biochemistry LAB: Anaerobic Glycolysis-Group B	Dr. Ergül Mutlu Altundağ Dr. Ayşe Mine Yılmaz	Multidisciplinary Lab.
14:40-15:30	15:40-16:30	Biochemistry LAB: Anaerobic Glycolysis-Group B	Dr. Ergül Mutlu Altundağ Dr. Ayşe Mine Yılmaz	Multidisciplinary Lab.
15:40-16:30	16:40-17:30	Biochemistry LAB: Anaerobic Glycolysis-Group B	Dr. Ergül Mutlu Altundağ Dr. Ayşe Mine Yılmaz	Multidisciplinary Lab.
16:40-17:30	17:40-18:30	STUDY TIME		
7th Week (08 January – 12 January 2024)				
Cyprus Local Time	Turkey Local Time			
Monday		08 January		
08:40-09:30	09:40-10:30	PRACTICAL 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	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		09 January		

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08:40-09:30	09:40-10:30	PRACTICAL 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	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		10 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		
Thursday		11 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

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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		12 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			