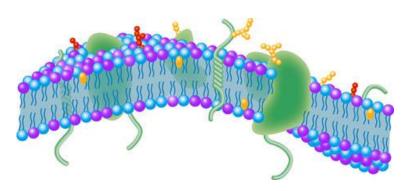


Tıp Fakültesi

MARMARA UNIVERSITY EASTERN MEDITERRANEAN UNIVERSITY INTERNATIONAL MEDICAL SCHOOL





CELLULAR METABOLISM AND TRANSPORT YEAR 1 COURSE 2

November 25th , 2024 – January 16th, 2025

Year 1 Coordinators

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

PBL Module Coordinator Prof. Rezzan Gülhan	Coordinator of Multidiciplinary Students Lab.
Inst. Hüseyin Beyaz	Assoc. Prof. Burak AKSU Assoc. Prof. Ergül MUTLU ALTUNDAĞ
Coordinator of Clinical Skill Lab.	Coordinator of ICS Res. Lab.
Prof. Pemra ÜNALAN	Prof. Pemra ÜNALAN
Assist. Prof. Bülent SEZGİN	Assist. Prof. İlke AKÇAY

Vice-Chief Coordinators					
Assessment	Student Affairs				
Assist. Prof. Cevdet NACAR	Assist. Prof. Can ERZİK				
Assist. Prof. Halil Eren SAKALLI	Assist.Prof. İlke AKÇAY				
Chief Coordinator	Coordinator of Medical Education Program				
Prof. Hasan R. YANANLI	Evaluation and Development Commission				
Assoc. Prof. Amber EKER	Prof. Harika ALPAY				
Coordinator of the Joint Program					
Prof. Süleyman Ü	İmit ŞEHİRLİ				

Dean (EMU) (a)	Dean (MU)
Assoc.Prof. Nilüfer GÜZOĞLU Prof.	Süleyman Ümit ŞEHİRLİ

LEARNING OUTOMES / COMPETENCIES

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

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

B. Medical Knowledge and Evidence-Based Medicine

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

C. Professional Attitudes and Values

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

PHASE-1 LEARNING OBJECTIVES

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

PHASES – 1 THEMA/ORGAN SYSTEM-BASED COURSE PROGRAMS

Year 1, Course 1: Introduction to Cell and Cellular Replication

Year 1, Course 2: Cellular Metabolism and Transport

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

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

Year 2, Course 1: Cell and Tissue Injury I

Year 2, Course 2: Cell and Tissue Injury II

Year 2, Course 3: Hematopoietic System and Related Disorders

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

Year 2, Course 5: Respiratory System and Related Disorders

Year 3, Course 1: Cardiovascular System and Related Disorders

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

Year 3, Course 3: Nervous System and Related Disorders

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

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

CELLULAR METABOLISM AND TRANSPORT

AIM and LEARNING OBJECTIVES of COURSE

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.

Learning Objectives: At the end of this committee, students will,

- 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

Module examination: Written exam at the end of

module (10 % of final score)

Practical examination: Practical exams at the end of

course

Course examination: Written exam at the end of course

PROGRAM EVALUATION

Evaluation at the end of the course, is done both orally and by using structured evaluation forms

DEPARTMENTS PARTICIPATING IN COURSE-1.2 & MODULE-1.2

- Biochemistry
- Biophysics
- Biostatistics

- Medical Biology
- Physiology

LECTURERS / TUTORS

Adil Şeytanoğlu, Assist. Prof., Molecular Biology and Genetics

Alper Yıldırım, Prof.,Physiology

Amber Eker, Assoc. Prof., Neurology Aslı Gönenç, Inst., Medical English

Ayşe Kozansoy, Inst., Medical English

Ayşe Mine Yılmaz, Inst., Medical Biochemistry

Banu Aydın Omay, Assoc. Prof., Biophysics

Berrak Yeğen, Prof., Physiology

Betül Yılmaz, Prof., Medical Biochemistry

Cemal Gürkan, Inst., Dr., Forensic Sciences

Cevdet Nacar, Assist. Prof., Biophysics

Deren Çeker, Inst., Dr., Medical Anthropology

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

Goncagül Haklar, Prof., Medical Biochemistry

oncagiil Haklar Prof Medical Riochemistry

Hüseyin Beyaz, Inst., PBL İlke Akçay, Assist. Prof., Biostatistics

Wadin Calumal Last DDI

Kadir Çakıral, Inst., PBL

Mustafa Akkiprik, Prof., Medical Biology

Mustafa Batıbeniz, Inst., Arts and Crafts

Nilüfer Güzoğlu, Assoc. Prof., Neonatalogy Özgür Kasımay, Prof., Physiology

Pınar Mega Tiber, Prof., Biophysics

Saime Batırel, Assoc. Prof., Medical Biochemistry

Sinem Yıldız İnanıcı, Assist.Prof., Medical Education

Turgay Bülent Göktürk, Assist. Prof., Atatürk's

Principles and History of Modern Turkey Yelda Çubukçu, Inst., Turkish Language

Hülya Cabadak Prof., Biophysics

READING / STUDYING MATERIALS

- 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

- 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	10	36	
Biophysics	20		20	
Biostatistics	10		10	
Medical Biology	4		4	
Physiology	8	2	10	
PBL Module	8			
Subtotal	76	12	88	
ICS-1 CSL-FA: Clinical Skills Laboratory & Introduction to First Aid Course (MEDN161)	10			
ICS-1 CS-MI: Communication Skills & Introduction to Medical Interview (MEDN162)	8	4	12	
ICS-1 SR-CS: Introduction to Student Research and Computer Skills (MEDN163)				
Medical English (ENGL131)	14			
Atatürk's Principles and the History of Turkish Renovation (for Turkish students) (HIST180)	14			
Turkish for Medical Students-I (Foreign Students) (TFMS101)	14			
TFMS101 - Turkish for Medical Students-I (Interactive session)				
Elective (AE-01)	14			
TOTAL	150	16	166	

		THEORETICAL AND PRACTICAL SESSIONS	LECTURER/TUTOR	LECTURE PLATFORM
		1 st Week (25 November -29 November 2024)		
Cyprus Local Time	Turkey Local Time			
Mon	day	25 November		
08:40-09:30	09:40-10:30			
09:40-10:30	10:40-11:30	Turkish for Medical Students-I (Foreign	Dr. Evrim Dalyan Eberdes	IN CLASS
10:40-11:30	11:40-12:30	Students)	Eberdes	IN CLASS
11:40-12:30	12:40-13:30			
13:40-14:30	14:40-15:30	Modical English (Gr. 1. 9. Gr. 2)	Inst. Aslı Gönenç	ואו כו אככ
14:40-15:30	15:40-16:30	Medical English (Gr 1 & Gr 2)	Inst. Ayşe Kozansoy	IN CLASS
15:40-16:30	16:40-17:30	Elective Courses (MDCN 125- Medical Antropology) (MDCN 181- Forensic Sciences (MDCN-314-Introduction to Health Psychology)	Inst. Deren Çeker Dr. Cemal Gürkan Inst. Hazal Dinçyürek	IN CLASS
16:40-17:30	17:40-18:30	(MDCN-316- Introduction to Lifestyle Medicine) (AICS 361- Artifical Intelligence In Medicine) (GFMS -101 - German for Medical Students)	Dr. Ayşe Atasoylu Dr. Adnan Acan Inst. Aslihan Engin Bozoğlu	IN CLASS
Tues	day	26 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	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	Atatürk's Principles and History of Modern Turkey	Mete Özsezer	MS TEAMS
15:40-16:30	16:40-17:30	Atatürk's Principles and History of Modern Turkey	Mete Özsezer	MS TEAMS
16:40-17:30	17:40-18:30	STUDY TIME		
Wedne	esdav	27 November		

	_			
08:40-09:30	09:40-10:30	STUDY TIME		
09:40-10:30	10:40-11:30	ICS-1 SR-CS: Theme of ICSR-1 Projects	Dr. İlke Akçay	IN CLASS
10:40-11:30	11:40-12:30	Introduction to statistical analysis	Dr. İlke Akçay	IN CLASS
11:40-12:30	12:40-13:30	Sampling, distribution and estimation	Dr. İlke Akçay	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		
Thur	sday	28 November		
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	STUDY TIME		
11:40-12:30	12:40-13:30	STUDY TIME		
13:40-14:30	14:40-15:30	ICS- CSL- FA: CPR Cardiopulmonary Resuscitation and Choking (adult-infant)	Dr.Amber Eker Dr. Bülent Sezgin Dr. Barış Sarı	IN CLASS
14:40-15:30	15:40-16:30	ICS- CSL- FA: CPR Cardiopulmonary Resuscitation and Choking (adult-infant)	Dr.Amber Eker Dr. Bülent Sezgin Dr. Barış Sarı	IN CLASS
15:40-16:30	16:40-17:30	ICS- CSL- FA: CPR Cardiopulmonary Resuscitation and Choking (adult-infant)	Dr.Amber Eker Dr. Bülent Sezgin Dr. Barış Sarı	IN CLASS
16:40-17:30	17:40-18:30	ICS- CSL- FA: CPR Cardiopulmonary Resuscitation and Choking (adult-infant)	Dr.Amber Eker Dr. Bülent Sezgin Dr. Barış Sarı	IN CLASS
Fric	day	29 November		
08:40-09:30	09:40-10:30	Introduction to the course	Dr. Ergül Mutlu Altundağ	IN CLASS
09:40-10:30	10:40-11:30	Electrochemical potentials, Nernst potential	Dr. Pınar Mega Tiber	IN CLASS
10:40-11:30	11:40-12:30	Membrane potentials and action potential	Dr. Pınar Mega Tiber	IN CLASS

11:40-12:30	12:40-13:30	Membrane potentials and action potential	Dr. Pınar Mega Tiber	IN CLASS
13:40-14:30	14:40-15:30	Principles of statistical analysis	Dr. İlke Akçay	IN CLASS
14:40-15:30	15:40-16:30	Elements of statistical inference	Dr. İlke Akçay	IN CLASS
15:40-16:30	16:40-17:30	Physical characteristics of membrane structure and function	Dr. Banu Aydın Omay	MS TEAMS
16:40-17:30	17:40-18:30	Membrane proteins	Dr. Banu Aydın Omay	MS TEAMS
		2 nd Week (02 December -06	December 2024)	
Cyprus Local Time	Turkey Local Time			
Mor	nday	02 December		
08:40-09:30	09:40-10:30			
09:40-10:30	10:40-11:30	Turkish for Medical Students-I (Foreign	Dr. Evrim Dalyan Eberdes	IN CLASS
10:40-11:30	11:40-12:30	Students)		
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
14:40-15:30	15:40-16:30	iviedical Eligiisii (Gi 1 & Gi 2)	Inst. Ayşe Kozansoy	III CLASS
15:40-16:30	16:40-17:30	Elective Courses (MDCN 125- Medical Antropology) (MDCN 181- Forensic Sciences (MDCN-314-Introduction to Health Psychology)	Inst. Deren Çeker Dr. Cemal Gürkan Inst. Hazal Dinçyürek	
16:40-17:30	17:40-18:30	(MDCN-316- Introduction to Lifestyle Medicine) (AICS 361- Artifical Intelligence In Medicine) (GFMS -101 - German for Medical Students)	Dr. Ayşe Atasoylu Dr. Adnan Acan Inst. Aslihan Engin Bozoğlu	IN CLASS
Tues	sday	03 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	PBL-1	Dr. Amber Eker Dr. Ergül Mutlu	PBL Room
11:40-12:30	12:40-13:30	PBL-1	Altundağ Dr. Özge Eker Inst. Hüseyin Beyaz	

13:40-14:30	14:40-15:30	STUDY TIME		
14:40-15:30	15:40-16:30	Atatürk's Principles and History of Modern Turkey	Mete Özsezer	MS TEAMS
15:40-16:30	16:40-17:30	Atatürk's Principles and History of Modern Turkey	Mete Özsezer	MS TEAMS
16:40-17:30	17:40-18:30	STUDY TIME		
Wedne	esday	04 December		
08:40-09:30	09:40-10:30	ICS-1 SR-CS: Contents in the Introduction part of a research study	Dr. İlke Akçay	IN CLASS
09:40-10:30	10:40-11:30	ICS-1 SR-CS: Topic & Title	Dr. İlke Akçay	IN CLASS
10:40-11:30	11:40-12:30	ICS-1 SR-CS: General and Specific objectives	Dr. İlke Akçay	IN CLASS
11:40-12:30	12:40-13:30	ICS-1 SR-CS: Writing a research question	Dr. İlke Akçay	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		
Thurs	day	05 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

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	
Fric	lay	06 December			
08:40-09:30	09:40-10:30	Reactions of glycolysis	Dr. Betül Yılmaz	IN CLASS	
09:40-10:30	10:40-11:30	Reactions of glycolysis	Dr. Betül Yılmaz	IN CLASS	
10:40-11:30	11:40-12:30	Regulation of glycolysis	Dr. Betül Yılmaz	IN CLASS	
11:40-12:30	12:40-13:30	Regulation of glycolysis	Dr. Betül Yılmaz	IN CLASS	
13:40-14:30	14:40-15:30	Importance of genome projects in medicine	Dr. Adil Şeytanoğlu	IN CLASS	
14:40-15:30	15:40-16:30	Genome of mitochondria	Dr. Adil Şeytanoğlu	IN CLASS	
15:40-16:30	16:40-17:30	STUDY TIME			
16:40-17:30	17:40-18:30	STUDY TIME			
		3 rd Week (9 December-13 December 2024)			
Cyprus Local Time	Turkey Local Time				
Mon	ıday	9 December			
08:40-09:30	09:40-10:30				
09:40-10:30	10:40-11:30	Turkish for Medical Students-I (Foreign	Dr. Evrim Dalyan	INLCLASS	
10:40-11:30	11:40-12:30	Students)	Eberdes	IN CLASS	
11:40-12:30	12:40-13:30				
13:40-14:30	14:40-15:30	Modical English (Cv 1 9 Cv 3)	Inst. Aslı Gönenç	INICIACE	
14:40-15:30	15:40-16:30	Medical English (Gr 1 & Gr 2)	Inst. Ayşe Kozansoy	IN CLASS	
			Dr. Amber Eker		
15:40-16:30	16:40-17:30	PBL-2	Dr. Ergül Mutlu Altundağ	PBL Room	

Tues	day	10 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	Gluconeogenesis and glycogen metabolism-2	Dr. Ayse Mine Yılmaz Göler	MS TEAMS
11:40-12:30	12:40-13:30	Gluconeogenesis and glycogen metabolism-2	Dr. Ayse Mine Yılmaz Göler	MS TEAMS
13:40-14:30	14:40-15:30	STUDY TIME		
14:40-15:30	15:40-16:30	Atatürk's Principles and History of Modern Turkey	Mete Özsezer	MS TEAMS
15:40-16:30	16:40-17:30	Atatürk's Principles and History of Modern Turkey	Mete Özsezer	MS TEAMS
16:40-17:30	17:40-18:30	Introduction to bioelectricity-I	Dr. Cevdet Nacar	IN CLASS
17:40-18:30	18:40-19:30	Introduction to bioelectricity-I	Dr. Cevdet Nacar	IN CLASS
Wedne	esday	11 December		
08:40-09:30	09:40-10:30	Introduction to bioelectricity-II	Dr. Cevdet Nacar	IN CLASS
09:40-10:30	10:40-11:30	Introduction to bioelectricity-II	Dr. Cevdet Nacar	IN CLASS
10:40-11:30	11:40-12:30	Flow of energy in nature, first law of thermodynamics	Dr. Cevdet Nacar	IN CLASS
11:40-12:30	12:40-13:30	Flow of energy in nature, first law of thermodynamics	Dr. Cevdet Nacar	IN CLASS
13:40-14:30	14:40-15:30	The second law of thermodynamics, entropy, free energy	Dr. Cevdet Nacar	IN CLASS
14:40-15:30	15:40-16:30	The second law of thermodynamics, entropy, free energy	Dr. Cevdet Nacar	IN CLASS
15:40-16:30	16:40-17:30	Free energy and thermodynamic properties of water	Dr. Cevdet Nacar	IN CLASS
16:40-17:30	17:40-18:30	STUDY TIME		
Thurs	sday	12 December		

00.40.00.30	00.40 40:30			
08:40-09:30	09:40-10:30			
09:40-10:30	10:40-11:30	Y2C2 COMMITTEE EXAM		
10:40-11:30	11:40-12:30			
11:40-12:30	12:40-13:30			
13:40-14:30	14:40-15:30	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
Frida	ay	13 December		
08:40-09:30	09:40-10:30	Electron transport chain	Dr. Goncagül Haklar	IN CLASS
09:40-10:30	10:40-11:30	Electron transport chain	Dr. Goncagül Haklar	IN CLASS
10:40-11:30	11:40-12:30	Oxidative Phosphorylation	Dr. Goncagül Haklar	IN CLASS
11:40-12:30	12:40-13:30	Oxidative Phosphorylation	Dr. Goncagül Haklar	IN CLASS
13:40-14:30	14:40-15:30	STUDY TIME		
14:40-15:30	15:40-16:30	STUDY TIME		
15:40-16:30	16:40-17:30	STUDY TIME		
16:40-17:30	17:40-18:30	STUDY TIME		
		4 th Week (16 December-20	December 2024)	
Cyprus Local Time	Turkey Local Time			
Mond	lay	16 December		
08:40-09:30	09:40-10:30			
09:40-10:30	10:40-11:30	Turkish for Medical Students-I (Foreign Students)	Dr. Evrim Dalyan Eberdes	IN CLASS
10:40-11:30	11:40-12:30	otaaciits;	Locides	

11:40-12:30	12:40-13:30			
13:40-14:30	14:40-15:30			
14:40-15:30	15:40-16:30	Medical English (Gr 1 & Gr 2)	Inst. Aslı Gönenç Inst. Ayşe Kozansoy	IN CLASS
15:40-16:30	16:40-17:30	PBL-3	Dr. Amber Eker Dr. Ergül Mutlu Altundağ	PBL Room
16:40-17:30	17:40-18:30	PBL-3	Dr. Özge Eker Inst. Hüseyin Beyaz	PBL ROUIII
Tues	day	17 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	Multidisciplin ary Lab.
15:40-16:30	16:40-17:30	Physiology LAB: Cell Physiology-Group A	Dr. Özgür Kasımay Dr. Alper Yıldırım	Multidisciplin ary Lab.
16:40-17:30	17:40-18:30	Physiology LAB: Cell Physiology-Group B	Dr. Özgür Kasımay Dr. Alper Yıldırım	Multidisciplin ary Lab.
17:40-18:30	18:40-19:30	Physiology LAB: Cell Physiology-Group B	Dr. Özgür Kasımay Dr. Alper Yıldırım	Multidisciplin ary Lab.
Wedne	esday	18 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	Testing statistical hypothesis	Dr. İlke Akçay	IN CLASS
11:40-12:30	12:40-13:30	Types of errors in statistical inference	Dr. İlke Akçay	IN CLASS
13:40-14:30	14:40-15:30	ICS-1 SR-CS: Contents in the Material and Methods part of a research study	Dr. İlke Akçay	IN CLASS

14:40-15:30	15:40-16:30	ICS-1 SR-CS: Questionnaire as a data collection tool	Dr. İlke Akçay	IN CLASS
15:40-16:30	16:40-17:30	ICS-1 SR-CS: Questionnaire design	Dr. İlke Akçay	IN CLASS
16:40-17:30	17:40-18:30	ICS-1 SR-CS: Questionnaire design	Dr. İlke Akçay	IN CLASS
17:40-18:30	18:40-19:30	STUDY TIME		
Thur	sday	19 December		
08:40-09:30	09:40-10:30			
09:40-10:30	10:40-11:30			
10:40-11:30	11:40-12:30	Y3C2 COMMITTEE EXAM		
11:40-12:30	12:40-13:30			
13:40-14:30	14:40-15:30	Oxidation of lipids	Dr. Saime Batırel	IN CLASS
14:40-15:30	15:40-16:30	Oxidation of lipids	Dr. Saime Batırel	IN CLASS
15:40-16:30	16:40-17:30	Biosynthesis of lipids	Dr. Saime Batırel	IN CLASS
16:40-17:30	17:40-18:30	Biosynthesis of lipids	Dr. Saime Batırel	IN CLASS
Frid	lay	20 December		
08:40-09:30	09:40-10:30	Biosynthesis of lipids	Dr. Saime Batırel	IN CLASS
09:40-10:30	10:40-11:30	Biosynthesis of lipids	Dr. Saime Batırel	IN CLASS
10:40-11:30	11:40-12:30	Gluconeogenesis and glycogen metabolism-1	Dr. Saime Batırel	IN CLASS
11:40-12:30	12:40-13:30	Gluconeogenesis and glycogen metabolism-1	Dr. Saime Batırel	IN CLASS
13:40-14:30	14:40-15:30	PBL-4	Dr. Amber Eker Dr. Ergül Mutlu Altundağ	PBL Room
14:40-15:30	15:40-16:30	PBL-4	Dr. Özge Eker Inst. Hüseyin Beyaz	
15:40-16:30	16:40-17:30	STUDY TIME		
16:40-17:30	17:40-18:30	STUDY TIME		
		5 th Week (23 December-27	7 December 2024)	
Cyprus Local Time	Turkey Local Time			

Mon	day	23 December		
08:40-09:30	09:40-10:30			
09:40-10:30	10:40-11:30	Turkish for Medical Students-I (Foreign	Dr. Evrim Dalyan	IN CLASS
10:40-11:30	11:40-12:30	Students)	Eberdes	
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
14:40-15:30	15:40-16:30	ivieuicai Eligiisii (Gi T & Gi Z)	Inst. Ayşe Kozansoy	IN CLASS
15:40-16:30	16:40-17:30	Elective Courses (MDCN 125- Medical Antropology) (MDCN 181- Forensic Sciences (MDCN-314-Introduction to Health Psychology)	Inst. Deren Çeker Dr. Cemal Gürkan Inst. Hazal Dinçyürek	IN CLASS
16:40-17:30	17:40-18:30	(MDCN-316- Introduction to Lifestyle Medicine) (AICS 361- Artifical Intelligence In Medicine) (GFMS -101 - German for Medical Students)	Dr. Ayşe Atasoylu Dr. Adnan Acan Inst. Aslihan Engin Bozoğlu	IN CEASS
Tues	day	24 December		
08:40-09:30	09:40-10:30	Applications of recombinant DNA technology in medicine	Dr. Mustafa Akkiprik	MS TEAMS
09:40-10:30	10:40-11:30	Applications of recombinant DNA technology in medicine	Dr. Mustafa Akkiprik	MS TEAMS
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	Atatürk's Principles and History of Modern Turkey	Mete Özsezer	MS TEAMS
15:40-16:30	16:40-17:30	Atatürk's Principles and History of Modern Turkey	Mete Özsezer	MS TEAMS
16:40-17:30	17:40-18:30	STUDY TIME		
Wedne	esday	25 December		
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 Göler	Multidisciplin ary Lab.
10:40-11:30	11:40-12:30	Biochemistry LAB: Anaerobic Glycolysis-Group A	Dr. Ergül Mutlu Altundağ Dr. Ayşe Mine Yılmaz Göler	Multidisciplin ary Lab.
11:40-12:30	12:40-13:30	Biochemistry LAB: Anaerobic Glycolysis-Group A	Dr. Ergül Mutlu Altundağ Dr. Ayşe Mine Yılmaz Göler	Multidisciplin ary Lab.
13:40-14:30	14:40-15:30	Biochemistry LAB: Anaerobic Glycolysis-Group A	Dr. Ergül Mutlu Altundağ Dr. Ayşe Mine Yılmaz Göler	Multidisciplin ary Lab.
14:40-15:30	15:40-16:30	Biochemistry LAB: Anaerobic Glycolysis-Group A	Dr. Ergül Mutlu Altundağ Dr. Ayşe Mine Yılmaz Göler	Multidisciplin ary Lab.
15:40-16:30	16:40-17:30	Biochemistry LAB: Anaerobic Glycolysis-Group A	Dr. Ergül Mutlu Altundağ Dr. Ayşe Mine Yılmaz Göler	Multidisciplin ary Lab.
16:40-17:30	17:40-18:30	STUDY TIME		
Thur	sday	26 December		
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 Göler	Multidisciplin ary Lab.
10:40-11:30	11:40-12:30	Biochemistry LAB: Anaerobic Glycolysis- Group B	Dr. Ergül Mutlu Altundağ Dr. Ayşe Mine Yılmaz Göler	Multidisciplin ary Lab.
11:40-12:30	12:40-13:30	Biochemistry LAB: Anaerobic Glycolysis- Group B	Dr. Ergül Mutlu Altundağ Dr. Ayşe Mine Yılmaz Göler	Multidisciplin ary Lab.
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13:40-14:30	14:40-15:30	Biochemistry LAB: Anaerobic Glycolysis- Group B	Dr. Ergül Mutlu Altundağ Dr. Ayşe Mine Yılmaz Göler	Multidisciplin ary Lab.
14:40-15:30	15:40-16:30	Biochemistry LAB: Anaerobic Glycolysis- Group B	Dr. Ergül Mutlu Altundağ Dr. Ayşe Mine Yılmaz Göler	Multidisciplin ary Lab.
15:40-16:30	16:40-17:30	Biochemistry LAB: Anaerobic Glycolysis- Group B	Dr. Ergül Mutlu Altundağ Dr. Ayşe Mine Yılmaz Göler	Multidisciplin ary Lab.
16:40-17:30	17:40-18:30	STUDY TIME		
Frid	ay	27 December		
08:40-09:30	09:40-10:30	ICS-1 CSL-FA: Written and Practical Exam		
09:40-10:30	10:40-11:30	ICS-1 CSL-FA: Written and Practical Exam		
10:40-11:30	11:40-12:30	ICS-1 CSL-FA: Written and Practical Exam		
11:40-12:30	12:40-13:30	ICS-1 CSL-FA: Written and Practical Exam		
13:40-14:30	14:40-15:30	ICS-1 CSL-FA: Written and Practical Exam		
14:40-15:30	15:40-16:30	ICS-1 CSL-FA: Written and Practical Exam		
15:40-16:30	16:40-17:30	ICS-1 CSL-FA: Written and Practical Exam		
16:40-17:30	17:40-18:30	ICS-1 CSL-FA: Written and Practical Exam		
		6 th Week (30 December -0	03 January 2024)	
Cyprus Local Time	Turkey Local Time			
Mon	day	30 December		
08:40-09:30	09:40-10:30			
09:40-10:30	10:40-11:30	Turkish for Medical Students-I (Foreign	Dr. Evrim Dalyan Eberdes	IN CLASS
10:40-11:30	11:40-12:30	Students)		22.33
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
14:40-15:30	15:40-16:30	iviedical Eligiisii (Gi 1 & Gi 2)	Inst. Ayşe Kozansoy	IN CLASS
15:40-16:30	16:40-17:30	MDCN 181- Forensic Sciences	Inst. Deren Çeker Dr. Cemal Gürkan Inst. Hazal Dinçyürek	
16:40-17:30	17:40-18:30	(MDCN-316- Introduction to Lifestyle Medicine) (AICS 361- Artifical Intelligence In Medicine) (GFMS -101 - German for Medical Students)	Dr. Ayşe Atasoylu Dr. Adnan Acan Inst. Aslihan Engin Bozoğlu	IN CLASS
Tues	day	31 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	STUDY TIME		
14:40-15:30	15:40-16:30	Atatürk's Principles and History of Modern Turkey	Mete Özsezer	MS TEAMS
15:40-16:30	16:40-17:30	Atatürk's Principles and History of Modern Turkey	Mete Özsezer	MS TEAMS
16:40-17:30	17:40-18:30	STUDY TIME		
Wedne	esday	01 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	VII DAGI TATİLİ GUDISTAAAS DAV		
		YILBAŞI TATİLİ-CHRISTMAS DAY		
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			
Thur	sday	02 January		
08:40-09:30	09:40-10:30	Biochemistry LAB : Electron Transport Chain- Group A	Dr. Ergül Mutlu Altundağ	Multidisciplin ary Lab.
09:40-10:30	10:40-11:30	Biochemistry LAB: Electron Transport Chain- Group A	Dr. Ergül Mutlu Altundağ	Multidisciplin ary Lab.
10:40-11:30	11:40-12:30	Biochemistry LAB : Electron Transport Chain- Group A	Dr. Ergül Mutlu Altundağ	Multidisciplin ary Lab.
11:40-12:30	12:40-13:30	Biochemistry LAB: Electron Transport Chain- Group A	Dr. Ergül Mutlu Altundağ	Multidisciplin ary Lab.
13:40-14:30	14:40-15:30	ICS-1 SR-CS: Study population and Sample Size Calculation	Dr. İlke Akçay	IN CLASS
14:40-15:30	15:40-16:30	ICS-1 SR-CS: Choosing appropriate Sampling method	Dr. İlke Akçay	IN CLASS
15:40-16:30	16:40-17:30	ICS-1 SR-CS: Choosing appropriate Sampling method	Dr. İlke Akçay	IN CLASS
16:40-17:30	17:40-18:30	ICS-1 SR-CS: Putting all together, Design of a Research study	Dr. İlke Akçay	IN CLASS
Frid	lay	03 January		
08:40-09:30	09:40-10:30	Biochemistry LAB: Electron Transport Chain- Group B	Dr. Ergül Mutlu Altundağ	Multidisciplin ary Lab.
09:40-10:30	10:40-11:30	Biochemistry LAB: Electron Transport Chain- Group B	Dr. Ergül Mutlu Altundağ	Multidisciplin ary Lab.
10:40-11:30	11:40-12:30	Biochemistry LAB: Electron Transport Chain- Group B	Dr. Ergül Mutlu Altundağ	Multidisciplin ary Lab.
11:40-12:30	12:40-13:30	Biochemistry LAB: Electron Transport Chain- Group B	Dr. Ergül Mutlu Altundağ	Multidisciplin ary Lab.
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		

		7 th Week (06 January – 1	0 January 2024)	
Cyprus Local	Turkey			
Time	Local Time			
Mon	day	06 January		
08:40-09:30	09:40-10:30			
09:40-10:30	10:40-11:30	urkich for Madical Students-I (Foreign	Dr. Evrim Dalyan Eberdes	IN CLASS
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
14:40-15:30	15:40-16:30	,	Inst. Ayşe Kozansoy	
15:40-16:30 16:40-17:30	16:40-17:30 17:40-18:30	Elective Courses (MDCN 125- Medical Antropology) (MDCN 181- Forensic Sciences (MDCN-314-Introduction to Health Psychology) (MDCN-316- Introduction to Lifestyle Medicine) (AICS 361- Artifical Intelligence In Medicine) (GFMS -101 - German for Medical Students)	Inst. Deren Çeker Dr. Cemal Gürkan Inst. Hazal Dinçyürek Dr. Ayşe Atasoylu Dr. Adnan Acan Inst. Aslihan Engin Bozoğlu	IN CLASS
Tues	day	07 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	Difference between parametric and nonparametric methods; Introduction to parametric methods	Dr. İlke Akçay	IN CLASS
11:40-12:30	12:40-13:30	One sample t-test, unpaired t-test and paired t-test	Dr. İlke Akçay	IN CLASS
12,40,14,20	14:40-15:30	STUDY TIME		
13:40-14:30				
14:40-15:30	15:40-16:30	Atatürk's Principles and History of Modern Turkey	Mete Özsezer	MS TEAMS
15:40-16:30	16:40-17:30	Atatürk's Principles and History of Modern Turkey	Mete Özsezer	MS TEAMS
16:40-17:30	17:40-18:30	STUDY TIME		

Wednesday		8 January		
08:40-09:30	09:40-10:30	STUDY TIME		
09:40-10:30	10:40-11:30	ICS-1 SR-CS: Critics with groups (Gr1 & Gr2)	Dr. İlke Akçay	IN CLASS
10:40-11:30	11:40-12:30	ICS-1 SR-CS: Critics with groups (Gr3 & Gr4)	Dr. İlke Akçay	IN CLASS
11:40-12:30	12:40-13:30	ICS-1 SR-CS: Critics with groups (Gr5 & Gr6)	Dr. İlke Akçay	IN CLASS
13:40-14:30	14:40-15:30	ICS-1 SR-CS: Critics with groups (Gr7 & Gr8)	Dr. İlke Akçay	IN CLASS
14:40-15:30	15:40-16:30	ICS-1 SR-CS: Critics with groups (Gr9 & G10)	Dr. İlke Akçay	IN CLASS
15:40-16:30	16:40-17:30	ICS-1 SR-CS: Critics with groups (Gr11 & Gr12)	Dr. İlke Akçay	IN CLASS
16:40-17:30	17:40-18:30	STUDY TIME		
Thurs	sday	9 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		
Frid	ay	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		
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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	
		8 th Week (13 January – 1	7 January 2024)
Cyprus Local Time	Turkey Local Time		
Mon	day	13 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	
Tues	day	14 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	
Wedne	esday	15 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	

Thur	sday	16 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	Y1C2 COMMITTEE EXAM		
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			

Frid	lay	17 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		