

GAZİ UNIVERSITY MEDICAL FACULTY

PHASE I – INTRODUCTION TO MEDICINE COMMITTEE

(15 SEPTEMBER 2025 – 24 OCTOBER 2025)

COURSES	THEORETICAL	LABORATORY	PRACTICAL	TOTAL
Medical Biology	39	3x4	-	42
Medical Biochemistry	31	3x4	-	34
Biophysics	17	-	-	17
Public Health	9	-	8	17
Medical History and Ethics	2	-	-	2
Panel	2	-	-	2
TOTAL	100	6	8	114
ELECTIVE COURSE	10	-	-	10
INTRODUCTION TO CLINICAL PRACTICE				
EVIDENCE-BASED MEDICINE (EBM)	2	-	-	2
COMMUNICATION SKILLS	-	-	6	6
TOTAL	112	6	14	132
FREE STUDY TIME	73			

Total 30 workdays.

Free study time: Individual studying courses intended for learning in accordance with the present committee.

ELECTIVE COURSES

Turkish Language	10
Atatürk's Principles and History of His Revolutions	10
English	10

English (face-to-face): Every week on Monday between 13.30 – 15.20

Turkish Language: Every week on Wednesday between 16.30 – 17.20

Ataturk's Principles and History of His Revolutions: Every week on Thursday between 18.00 – 18.50

Dean	Prof. Alper CEYLAN
Vice Dean	Prof. Asiye UĞRAŞ DİKMEN
Vice Dean	Assoc. Prof. Nazmi Mutlu KARAKAŞ
Head Coordinator	Prof. Çiğdem ÖZER
Assistant Head Coordinator	Prof. Mehmet Ali ERGÜN
Assistant Head Coordinator	Prof. Akif Muhtar ÖZTÜRK
Phase I Coordinator	Assoc. Prof. Volkan MEDENİ
Assistant Phase I Coordinator	Asst. Prof. Duygu Deniz USTA SALİMİ
Assistant Phase I Coordinator	Asst. Prof. Niyazi Samet YILMAZ
Assistant Phase I Coordinator	Lect. Burak KAYABAŞI
Assistant Phase I Coordinator	Lect. Sidre ERGANİŞ
Assistant Phase I Coordinator	Lect. Aynur ÇOBAN

MEMBERS OF COMMITTEE

MEDICAL BIOLOGY	MEDICAL BIOCHEMISTRY	PUBLIC HEALTH	COMMUNICATION SKILLS
Dr. Ece KONAÇ	Dr. Mustafa KAVUTÇU	Dr. F. Nur AKSAKAL	Dr. Nesrin DEMİRSOY
Dr. Atiye Seda YAR SAĞLAM	Dr. Orhan CANBOLAT	Dr. Hakan TÜZÜN	Dr. Elvan İŞERİ
Dr. H. İlke ÖNEN	Dr. Cengiz KARAKAYA	Dr. Cansu ÖZBAŞ	Dr. Canan ULUOĞLU
Dr. Nuray VAROL	Dr. Niyazi Samet YILMAZ	Dr. Sultan Pınar ÇETİNTEPE	Dr. I. İrem BUDAKOĞLU
Dr. Pelin TELKOPARAN AKILLILAR			Dr. Meltem YALINAY
Dr. Duygu Deniz USTA SALİMİ			Dr. Selçuk ASLAN
Dr. Kübra Gizem ESENTURK YAYLA			Dr. Aslı KURUOĞLU
			Dr. Ayfer KELEŞ
			Dr. Özlem COŞKUN
			Dr. M. Muhittin YALÇIN
			Dr. Tuğba TUNÇ
BIOPHYSICS	MEDICAL HISTORY AND ETHICS	FORENSIC MEDICINE	
Dr. Elçin ÖZGÜR BÜYÜKATALAY	Dr. Nesrin ÇOBANOĞLU	Dr. Taner AKAR	
COMMUNICATION SKILLS COORDINATOR		Prof. Dr. Nesrin DEMİRSOY	
EVIDENCE BASED MEDICINE COORDINATOR		Prof. Dr. Mehmet Ali ERGÜN	
ELECTIVE COURSE COORDINATOR		Assoc. Prof. Dr., Ergin DİLEKÖZ	

INTRODUCTION TO MEDICINE COMMITTEE

Aim

At the end of the Introduction to Medicine committee, students will be able to explain organic chemistry, differences in cellular organization of living organisms, molecular evolution, biological membranes, cell organelles, structure and function of biomolecules in metabolic pathways, basic genetic concepts, heredity types, application of controlled electric current in living organisms, importance of primary public health application fields and understand the methodology of medicine.

Learning Objectives

Knowledge

1. To be able to define atom and its structure, chemical bonds
2. To be able to classify the structural properties of organic compounds
3. To be able to define the concepts of bond and energy in living organisms
4. To be able to explain the structure and function of the main molecules such as protein, lipid, and carbohydrate
5. To be able to explain the hypothesis of the evolution of cells, genes, and genomes
6. To be able to explain basic genetic concepts and types of inheritance
7. To be able to define the molecular structures that play a role in the structure and function of eukaryotic cells, the relationship between these structures and controls
8. To be able to explain the molecular mechanisms and controls in the process of mitosis and meiosis
9. To be able to define the concepts of electric charge, force, energy, and magnetic field and their use in biological systems
10. To be able to explain the methods of medicine
11. To be able to explain the concept of health and illness and the public health perspective on health problems
12. To be able to list the characteristics of primary, secondary and tertiary health services
13. Explain the role of environmental factors in health-related events
14. To be able to explain the concept of primary health services
15. To explain the concept of health prevention and promotion

Skills

16. To be able to show parts and use of the light microscope and the living cells
17. To be able to monitor peripheral cell culture and chromosome staining and banding
18. To be able to make karyotype analysis by classifying human chromosomes

Attitude

19. To be able to behave according to the values of the medical profession culture and the atmosphere of the medical faculty
20. To understand the importance of keeping a healthy record
21. To understand the importance of evidence-based medical knowledge in the medical profession
22. To understand the importance of the use of basic communication skills

Week 1	15.09.2025 MONDAY	16.09.2025 TUESDAY	17.09.2025 WEDNESDAY	18.09.2025 THURSDAY	19.09.2025 FRIDAY
08:30 – 09:20	Free Study Time	Medical Organic Chemistry Dr. C. Karakaya	Free Study Time	Medical Organic Chemistry Dr. C. Karakaya	DNA Structure and Functional Features Dr. D. D. Usta Salimi
09:30 – 10:20	What is Medicine and Medical Research Methodology? Dr. N. Çobanoğlu	Medical Organic Chemistry Dr. C. Karakaya	The Functions of Nucleotides and Nucleic acids: DNA and RNA Dr. E. Konaç	Medical Organic Chemistry Dr. C. Karakaya	Work and Health Concept Dr. S. P. Çetintepe
10:30 – 11:20	What is Medicine and Medical Research Methodology? Dr. N. Çobanoğlu	Evidence Based Medicine Dr. M. A. Ergün	The Functions of Nucleotides and Nucleic acids: DNA and RNA Dr. E. Konaç	DNA Role in Heredity: What Is the Evidence that the Gene is DNA? Dr. P. Telkoparan Akıllılar	The Structure and Function of Mitochondria Dr. A. S. Yar Sağlam
11:30 – 12:20	Public Health Vision and Health- Disease Concept Dr. H. Tüzün	Evidence Based Medicine Dr. M. A. Ergün	Health Services Dr. H. Tüzün	DNA Role in Heredity: What Is the Evidence that the Gene is DNA? Dr. P. Telkoparan Akıllılar	The Structure and Function of Mitochondria Dr. A. S. Yar Sağlam
13:30 – 14:20	Introduction of Biochemistry Dr. O. Canbolat	Medical Organic Chemistry Dr. C. Karakaya	Medical Organic Chemistry Dr. C. Karakaya	Primary Health Care Vision Dr. H. Tüzün	Interdisciplinary Sciences and Biophysics Dr. E. Özgür Büyükkatalay
14:30 – 15:20	Introduction of Biochemistry Dr. O. Canbolat	Medical Organic Chemistry Dr. C. Karakaya	Medical Organic Chemistry Dr. C. Karakaya	Health Prevention and Promotion Dr. C. Özbaş	Interdisciplinary Sciences and Biophysics Dr. E. Özgür Büyükkatalay
15:30 – 16:20	Medical Organic Chemistry Dr. C. Karakaya	Environmental Disease Concept and Types of Environmental Exposure Dr. F. N. Aksakal	Biomolecules Dr. D. D. Usta Salimi	Medical Organic Chemistry Dr. C. Karakaya	Free Study Time
16:30 – 17:20	Free Study Time	Free Study Time	Biomolecules Dr. D. D. Usta Salimi	Medical Organic Chemistry Dr. C. Karakaya	Free Study Time

Week 2	22.09.2025 MONDAY	23.09.2025 TUESDAY	24.09.2025 WEDNESDAY	25.09.2025 THURSDAY	26.09.2025 FRIDAY
08:30 – 09:20	The structure and function of biological membranes Dr. N. Varol	Health Indicators and Health Level in Turkey Dr. H. Tüzün	Electric Current, DC & AC properties Dr. E. Özgür Büyükkatalay	Free Study Time	Public Health Field Practice 1: Primary Care
09:30 – 10:20	The structure and function of biological membranes Dr. N. Varol	Health Indicators and Health Level in Turkey Dr. H. Tüzün	Nucleolus and Its Diseases Dr. K. G. Esentürk Yayla	Functional Portions and Protein Traffic in Cells Dr. K. G. Esentürk Yayla	
10:30 – 11:20	Electric Charge, Electric Force, Electric Field, Electric Potential and Potential Energy, Capacitance Dr. E. Özgür Büyükkatalay	Nucleus and Packing of Chromatin Dr. A. S. Yar Sağlam	Bioenergetics Dr. M. Kavutçu	Cellular Tubulin and Filaments Systems Dr. P. Telkoparan Akıllılar	
11:30 – 12:20	Electric Charge, Electric Force, Electric Field, Electric Potential and Potential Energy, Capacitance Dr. E. Özgür Büyükkatalay	Nucleus and Packing of Chromatin Dr. A. S. Yar Sağlam	Bioenergetics Dr. M. Kavutçu	Health System in Turkey Dr. H. Tüzün	
13:30 – 14:20	English	Electric Charge, Electric Force, Electric Field, Electric Potential and Potential Energy, Capacity Dr. E. Özgür Büyükkatalay	Functional Portions and Protein Traffic in Cells Dr. K. G. Esentürk Yayla	Controlled Electric Current Applications in Biological Systems Dr. E. Özgür Büyükkatalay	ER Stress Diseases, Lysosome, Golgi Apparatus and Peroxisomal Diseases Dr. P. Telkoparan Akıllılar
14:30 – 15:20	English	Electric Charge, Electric Force, Electric Field, Electric Potential and Potential Energy, Capacity Dr. E. Özgür Büyükkatalay	Functional Portions and Protein Traffic in Cells Dr. K. G. Esentürk Yayla	Controlled Electric Current Applications in Biological Systems Dr. E. Özgür Büyükkatalay	ER Stress Diseases, Lysosome, Golgi Apparatus and Peroxisomal Diseases Dr. P. Telkoparan Akıllılar
15:30 – 16:20	ELECTIVE COURSES	Free Study Time	Free Study Time	Free Study Time	Free Study Time
16:30 – 17:20	ELECTIVE COURSES	Free Study Time	Turkish Language	Free Study Time	Free Study Time
				18:00-18:50 Ataturk's Principles and History of His Revolutions	

Week 3	29.09.2025 MONDAY	30.09.2025 TUESDAY	01.10.2025 WEDNESDAY	02.10.2025 THURSDAY	03.10.2025 FRIDAY
08:30 – 09:20	Free Study Time	Free Study Time	Free Study Time	Control of Cell Cycle Dr. E. Konaç	Medical Biology LAB: Light Microscope, Living and Non-Living Cells (Group A) Medical Biochemistry LAB: Introduction of Laboratory Materials and Simple Solution Preparation Methods (Group B)
09:30 – 10:20	Free Study Time	Medical Organic Chemistry Dr. C. Karakaya	Free Study Time	Control of Cell Cycle Dr. E. Konaç	
10:30 – 11:20	Mutations and Mutagens Dr. A. S. Yar Sağlam	Medical Organic Chemistry Dr. C. Karakaya	Communication Skills	Amino Acid Structure, Classification, Reaction and Transports Dr. M. Kavutçu	Medical Biology LAB: Light Microscope, Living and Non-Living Cells (Group B)
11:30 – 12:20	Mutations and Mutagens Dr. A. S. Yar Sağlam	Mutations and Mutagens Dr. A. S. Yar Sağlam		Amino Acid Structure, Classification, Reaction and Transports Dr. M. Kavutçu	Medical Biochemistry LAB: Introduction of Laboratory Materials and Simple Solution Preparation Methods (Group A)
13:30 – 14:20	English	DNA Replication (Prokaryotic and Eukaryotic) Dr. H. İ. Önen	DNA Repair Mechanisms Dr. H. İ. Önen	Depolarization of Heart Muscle Cells, Electrical Axis and Dipole Moment Vector of the Heart, Einthoven Triangle and Determination of the Potential Difference in Heart's Dipole Area Dr. E. Özgür Büyükcatalay	Depolarization of Heart Muscle Cells, Electrical Axis and Dipole Moment Vector of the Heart, Einthoven Triangle and Determination of the Potential Difference in Heart's Dipole Area Dr. E. Özgür Büyükcatalay
14:30 – 15:20	English	DNA Replication (Prokaryotic and Eukaryotic) Dr. H. İ. Önen	DNA Repair Mechanisms Dr. H. İ. Önen	Depolarization of Heart Muscle Cells, Electrical Axis and Dipole Moment Vector of the Heart, Einthoven Triangle and Determination of the Potential Difference in Heart's Dipole Area Dr. E. Özgür Büyükcatalay	Depolarization of Heart Muscle Cells, Electrical Axis and Dipole Moment Vector of the Heart, Einthoven Triangle and Determination of the Potential Difference in Heart's Dipole Area Dr. E. Özgür Büyükcatalay

15:30 – 16:20	ELECTIVE COURSES	Magnetic field Dr. E. Özgür Büyükkatalay	Free Study Time	Peptides and Proteins Dr. M. Kavutçu	Free Study Time
16:30 – 17:20	ELECTIVE COURSES	Free Study Time	Turkish Language	Peptides and Proteins Dr. M. Kavutçu	Free Study Time
				18:00-18:50 Ataturk's Principles and History of His Revolutions	

Week 4	06.10.2025 MONDAY	07.10.2025 TUESDAY	08.10.2025 WEDNESDAY	09.10.2025 THURSDAY	10.10.2025 FRIDAY
08:30 – 09:20	Electrophoresis Dr. E. Özgür Büyükkatalay	Medical Biology LAB: Whole Blood Genomic DNA Isolation (Group A) Medical Biology LAB: Whole Blood Genomic DNA Isolation (Group B)	Medical Biochemistry LAB: Spectrophotometric Measurement Principles (Group B) Medical Biochemistry LAB: Spectrophotometric Measurement Principles (Group A)	Free Study Time	Free Study Time
09:30 – 10:20	Molecular Mechanisms Underlying the Mitosis and Meiosis Dr. P. Telkoparan Akıllılar			The Molecular Mechanisms of Fertilization Dr. E. Konaç	Free Study Time
10:30 – 11:20	Molecular Mechanisms Underlying the Mitosis and Meiosis Dr. P. Telkoparan Akıllılar			Classifications of Enzymes Dr. N. S. Yılmaz	Active and Passive Transducers, Usage of Transducers in Medicine Dr. E. Özgür Büyükkatalay
11:30 – 12:20	Crossing Over, Recombination and Gene Linkage Dr. P. Telkoparan Akıllılar			Classifications of Enzymes Dr. N. S. Yılmaz	Laser in Medicine Dr. E. Özgür Büyükkatalay
13:30 – 14:20	English	Difference between Spermatogenesis and Oogenesis Dr. E. Konaç	Free Study Time	Communication Skills	Enzyme Kinetics Dr. N. S. Yılmaz
14:30 – 15:20	English	Biochemistry of Nucleic Acids Dr. O. Canbolat	Free Study Time		Enzyme Kinetics Dr. N. S. Yılmaz
15:30 – 16:20	ELECTIVE COURSES	Biochemistry of Nucleic Acids Dr. O. Canbolat	Free Study Time	Free Study Time	Communication Skills Movie Watching (Turkish Language and English Groups)
16:30 – 17:20	ELECTIVE COURSES	Free Study Time	Turkish Language	Free Study Time	
				18:00-18:50 Ataturk's Principles and History of His Revolutions	

Week 5	13.10.2025 MONDAY	14.10.2025 TUESDAY	15.10.2025 WEDNESDAY	16.10.2025 THURSDAY	17.10.2025 FRIDAY
08:30 – 09:20	Free Study Time	Public Health Field Practice 2: Secondary and Tertiary Care	Free Study Time	Communication Skills	Medical Biology LAB: Polymerase Chain Reaction (PCR) (Group A)
09:30 – 10:20	Free Study Time		Free Study Time		Medical Biochemistry LAB: Factors Affecting Enzyme Kinetics (Group B)
10:30 – 11:20	Free Study Time		Molecular Biological Methods in Diagnosis Dr. D. D. Usta Salimi	Genetic Code and Protein Synthesis Dr. A. S. Yar Sağlam	Medical Biology LAB: Polymerase Chain Reaction (PCR) (Group B)
11:30 – 12:20	Factors Affecting Enzyme Activity Dr. N. S. Yılmaz		Molecular Biological Methods in Diagnosis Dr. D. D. Usta Salimi	Genetic Code and Protein Synthesis Dr. A. S. Yar Sağlam	Medical Biochemistry LAB: Factors Affecting Enzyme Kinetics (Group A)
13:30 – 14:20	English	RNA Synthesis and RNA Processing Dr. H.İ. Önen	Free Study Time	Regulation of Enzyme Activity Dr. N. S. Yılmaz	Current Practices in Forensic Medicine Dr. A. S. Yar Sağlam Dr. T. Akar Dr. N. Varol
14:30 – 15:20	English	RNA Synthesis and RNA Processing Dr. H.İ. Önen	Free Study Time	Regulation of Enzyme Activity Dr. N. S. Yılmaz	Current Practices in Forensic Medicine Dr. A. S. Yar Sağlam Dr. T. Akar Dr. N. Varol
15:30 – 16:20	ELECTIVE COURSES	Free Study Time	Free Study Time	Regulation of Enzyme Activity Dr. N. S. Yılmaz	Free Study Time
16:30 – 17:20	ELECTIVE COURSES	Free Study Time	Turkish Language	Free Study Time	Free Study Time
				18:00-18:50 Ataturk's Principles and History of His Revolutions	

Week 6	20.10.2025 MONDAY	21.10.2025 TUESDAY	22.10.2025 WEDNESDAY	23.10.2025 THURSDAY	24.10.2025 FRIDAY
08:30 – 09:20	Free Study Time	Free Study Time	Free Study Time	Free Study Time	INTRODUCTION TO MEDICINE COMMITTEE EXAM
09:30 – 10:20	Free Study Time	Free Study Time	Free Study Time	Free Study Time	
10:30 – 11:20	Free Study Time	Free Study Time	Free Study Time	Free Study Time	
11:30 – 12:20	Free Study Time	Free Study Time	Free Study Time	Free Study Time	
13:30 – 14:20	English	Free Study Time	Free Study Time	Free Study Time	
14:30 – 15:20	English	Free Study Time	Free Study Time	Free Study Time	
15:30 – 16:20	ELECTIVE COURSES	Free Study Time	Free Study Time	Free Study Time	
16:30 – 17:20	ELECTIVE COURSES	Free Study Time	Turkish Language	Free Study Time	
				18:00-18:50 Ataturk's Principles and History of His Revolutions	