

GAZİ UNIVERSITY MEDICAL FACULTY PHASE I – INTRODUCTION TO MEDICINE COMMITTEE
(14 SEPTEMBER 2026 – 23 OCTOBER 2026)

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	78			

Total 30 workdays.

Free study time: Individual studying courses intended for learning in accordance with the present committee.
OBLIGATORY 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. Dr. Alper CEYLAN
Vice Dean	Prof. Dr. Nazmi Mutlu KARAKAŞ
Vice Dean	Prof. Dr. Asiye UĞRAŞ DİKMEN
Head Coordinator	Prof. Dr. Çiğdem ÖZER
Assistant Head Coordinator	Prof. Dr. Mehmet Ali ERGÜN
Assistant Head Coordinator	Prof. Dr. Akif Muhtar ÖZTÜRK
Phase I Coordinator	Doç. Dr. Volkan MEDENİ
Assistant Phase I Coordinator	Dr. Öğr. Üyesi Duygu Deniz USTA SALİMİ
Assistant Phase I Coordinator	Dr. Öğr. Üyesi Niyazi Samet YILMAZ
Assistant Phase I Coordinator	Öğr. Gör. Dr. Burak KAYABAŞI
Assistant Phase I Coordinator	Dr. Öğr. Üyesi Sidre ERGANİŞ

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. H. İlke ÖNEN	Dr. Orhan CANBOLAT	Dr. Hakan TÜZÜN	Prof. Dr. Elvan İŞERİ
Dr. Atiye Seda YAR SAĞLAM	Dr. Cengiz KARAKAYA	Dr. Cansu ÖZBAŞ	Dr. Canan ULUOĞLU
Dr. Nuray VAROL	Dr. Kübranur ÜNAL	Dr. Sultan Pınar ÇETİNTEPE	Dr. İrem BUDAKOĞLU
Dr. Pelin TELKOPARAN AKILLILAR	Dr. Niyazi SAMET YILMAZ		Dr. M. Muhittin YALÇIN
Dr. Duygu Deniz Usta SALİMİ			Dr. Selçuk ASLAN
Dr. Kübra Gizem ESENTURK YAYLA			Dr. Tuğba TUNÇ
BIOPHYSICS	MEDICAL HISTORY AND ETHICS	FORENSIC MEDICINE	Dr. Aslı KURUOĞLU
			Dr. Ayfer KELEŞ
Dr. Elçin ÖZGÜR BÜYÜKATALAY	Dr. Nesrin ÇOBANOĞLU	Dr. Taner AKAR	Dr. Özlem COŞKUN

COMMUNICATION SKILLS COORDINATOR	Prof. Dr. Nesrin DEMİRSOY
EVIDENCE BASED MEDICINE COORDINATOR	Prof. Dr. Mehmet Ali ERGÜN
ELECTIVE COURSE COORDINATOR	Doç. 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:

To be able to define atom and its structure, chemical bonds

To be able to classify the structural properties of organic compounds

To be able to define the concepts of bond and energy in living organisms

To be able to explain the structure and function of the main molecules such as protein, lipid, and carbohydrate

To be able to explain the hypothesis of the evolution of cells, genes, and genomes

To be able to explain basic genetic concepts and types of inheritance

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

To be able to explain the molecular mechanisms and controls in the process of mitosis and meiosis

To be able to define the concepts of electric charge, force, energy, and magnetic field and their use in biological systems

To be able to explain the methods of medicine

To be able to explain the concept of health and illness and the public health perspective on health problems

To be able to list the characteristics of primary, secondary and tertiary health services

Explain the role of environmental factors in health-related events

To be able to explain the concept of primary health services

To explain the concept of health prevention and promotion

Skills:

To be able to show parts and use of the light microscope and the living cells

To be able to monitor peripheral cell culture and chromosome staining and banding

To be able to make karyotype analysis by classifying human chromosomes

Attitude:

To be able to behave according to the values of the medical profession culture and the atmosphere of the medical faculty

To understand the importance of keeping a healthy record

To understand the importance of evidence-based medical knowledge in the medical profession

To understand the importance of the use of basic communication skills

Week 1	14.09.2026 MONDAY	15.09.2026 TUESDAY	16.09.2026 WEDNESDAY	17.09.2026 THURSDAY	18.09.2026 FRIDAY
08:30 – 09:20	Public Health Vision and Health-Disease Concept Dr. H. Tüzün	Evidence based medicine Dr. M. A. Ergün	The functions of nucleotides and nucleic acids: DNA and RNA Dr. E. Konaç	Free Study Time	DNA Structure and functional features Dr. D. D. Usta Salimi
09:30 – 10:20	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 Akallılar	Work and Health Concept Dr. S. P. Çetintepe
10:30 – 11:20	What is Medicine and Medical Research Methodology? Dr. N. Çobanoğlu	Introduction of Biochemistry Dr. O. Canbolat	Biomolecules Dr. D. D. Usta Salimi	Medical Organic Chemistry Dr. C. Karakaya	The structure and function of mitochondria Dr. A.S. Yar Sağlam
11:30 – 12:20	Medical Organic Chemistry Dr. C. Karakaya	Introduction of Biochemistry Dr. O. Canbolat	Biomolecules Dr. D. D. Usta Salimi	Medical Organic Chemistry Dr. C. Karakaya	The structure and function of mitochondria Dr. A.S. Yar Sağlam
13:30 – 14:20	Medical Organic Chemistry Dr. C. Karakaya	Medical Organic Chemistry Dr. C. Karakaya	Medical Organic Chemistry Dr. C. Karakaya	Health Prevention and Promotion Dr. C. Özbaş	E current, DC & AC properties Dr. Özgür Büyükcatalay
14:30 – 15:20	Medical Organic Chemistry Dr. C. Karakaya	Medical Organic Chemistry Dr. C. Karakaya	Medical Organic Chemistry Dr. C. Karakaya	Electric Charge, Electric Force, Electric Field, Electric Potential and Potential Energy, Capacity Dr. Özgür Büyükcatalay	Controlled electric current applications in biological systems Dr. Özgür Büyükcatalay
15:30 – 16:20	Environmental Disease Concept and Types of Environmental Exposure Dr. F.N. Aksakal	Health Services Dr. H. Tüzün	Primary Health Care Vision Dr. H. Tüzün	Electric Charge, Electric Force, Electric Field, Electric Potential and Potential Energy, Capacity Dr. Özgür Büyükcatalay	Controlled electric current applications in biological systems Dr. Özgür Büyükcatalay

16:30 - 17:20	Interdisciplinary Sciences and Biophysics Dr. Özgür Büyükkatalay	Interdisciplinary Sciences and Biophysics Dr. Özgür Büyükkatalay	Electric Charge, Electric Force, Electric Field, Electric Potential and Potential Energy, Capacity Dr. Özgür Büyükkatalay	Electric Charge, Electric Force, Electric Field, Electric Potential and Potential Energy, Capacity Dr. Özgür Büyükkatalay	Free Study Time
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Week 2	21.09.2026 MONDAY	22.09.2026 TUESDAY	23.09.2026 WEDNESDAY	24.09.2026 THURSDAY	25.09.2026 FRIDAY
08:30 – 09:20	Free Study Time	Health Indicators and Health Level in Turkey Dr. H. Tüzün	Free Study Time	Free Study Time	Public Health Field Practice 1: Primary Care
09:30 – 10:20	Free Study Time	Health Indicators and Health Level in Turkey Dr. H. Tüzün	Bioenergetics Dr. M. Kavutçu	Functional portions and protein traffic in cells Dr. K. G. Esentürk Yayla	
10:30 – 11:20	Nucleus and packing of chromatin Dr. A.S. Yar	The structure and function of biological membranes Dr. N. Varol	Bioenergetics Dr. M. Kavutçu	Cellular tubulin and filaments systems Dr. P. Telkoparan Akıllılar	
11:30 – 12:20	Nucleus and packing of chromatin Dr. A.S. Yar	The structure and function of biological membranes Dr. N. Varol	Free Study Time	Health System in Turkey Dr. H. Tüzün	
13:30 – 14:20	ENGLISH	Nucleolus and its diseases Dr. K. G. Esentürk Yayla	Functional portions and protein traffic in cells Dr. K. G. Esentürk Yayla	Free Study Time	Communication Skills 1
14:30 – 15:20	ENGLISH	Free Study Time	Functional portions and protein traffic in cells Dr. K. G. Esentürk Yayla	Free Study Time	Communication Skills 1
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	
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Week 3	28.09.2026 MONDAY	29.09.2026 TUESDAY	30.09.2026 WEDNESDAY	01.10.2026 THURSDAY	02.10.2026 FRIDAY
08:30 – 09:20	ER stress diseases, lysosome, Golgi apparatus and peroxisome diseases Dr. P. Telkoparan Akıllılar	Free Study Time	Control of cell cycle Dr. E. Konaç	DNA Repair Mechanisms Dr. H.İ. Önen	Free Study Time
09:30 – 10:20	ER stress diseases, lysosome, Golgi apparatus and peroxisome diseases Dr. P. Telkoparan Akıllılar	Medical Organic Chemistry Dr. C. Karakaya	Control of cell cycle Dr. E. Konaç	DNA Repair Mechanisms Dr. H.İ. Önen	
10:30 – 11:20	Mutations and mutagens Dr. Ece Konaç	Medical Organic Chemistry Dr. C. Karakaya	Amino acid structure, classification reaction and transports Dr. M. Kavutçu	Peptides and proteins Dr. M. Kavutçu	Free Study Time
11:30 – 12:20	Mutations and mutagens Dr. Ece Konaç	Magnetic field Dr. Özgür Büyükcatalay	Amino acid structure, classification reaction and transports Dr. M. Kavutçu	Peptides and proteins Dr. M. Kavutçu	Crossing over, recombination and gene linkage Dr. P. Telkoparan Akıllılar
13:30 – 14:20	ENGLISH	Mutations and mutagens Dr. Ece Konaç	Medical Organic Chemistry Dr. C. Karakaya	Molecular mechanisms underlying the mitosis-meiosis Dr. P. Telkoparan Akıllılar	Communication Skills 2
14:30 – 15:20	ENGLISH	DNA replication (prokaryotic and eukaryotic) Dr. Nuray Varol	Medical Organic Chemistry Dr. C. Karakaya	Molecular mechanisms underlying the mitosis-meiosis Dr. P. Telkoparan Akıllılar	Communication Skills 2

15:30 – 16:20	ELECTIVE COURSES	DNA replication (prokaryotic and eukaryotic) Dr. Nuray Varol	Free Study Time	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. Özgür Büyükatalay	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. Özgür Büyükatalay
16:30 – 17:20	ELECTIVE COURSES	Free Study Time	Turkish Language	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. Özgür Büyükatalay	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. Özgür Büyükatalay
				18:00-18:50 Ataturk's Principles and History of His Revolutions	

Week 4	05.10.2026 MONDAY	06.10.2026 TUESDAY	07.10.2026 WEDNESDAY	08.10.2026 THURSDAY	09.10.2026 FRIDAY
08:30 – 09:20	Free Study Time	Free Study Time	M. Biology LAB: Whole blood genomic DNA isolation (Group A)	Free Study Time	M. Biology LAB: Polymerase Chain Reaction (PCR) (Group A)
09:30 – 10:20	Free Study Time	Biochemistry of nucleic acids Dr. O. Canbolat	M. Biochemistry LAB: Spectrophotometric measurement principles (Group B)	The molecular mechanisms of fertilization Dr. E. Konaç	M. Biochemistry LAB: Factors affecting enzyme kinetics (Group B)
10:30 – 11:20	Free Study Time	Biochemistry of nucleic acids Dr. O. Canbolat	M. Biology LAB: Whole blood genomic DNA isolation (Group B)	Free Study Time	M. Biology LAB: Polymerase Chain Reaction (PCR) (Group B)
11:30 – 12:20	Electrophoresis Dr. Özgür Büyükatalay	Difference between Spermatogenesis and Oogenesis Dr. E. Konaç	M. M. Biochemistry LAB: Spectrophotometric measurement principles (Group A)	Active and Passive transducers, usage of transducers in medicine Dr. Özgür Büyükatalay	M. Biochemistry LAB: Factors affecting enzyme kinetics (Group A)
13:30 – 14:20	ENGLISH	M. Biology LAB: Light Microscope, Living and Non-living Cells (Group A)	Laser in Medicine Dr. Özgür Büyükatalay	Enzyme kinetics Dr. N.S. Yılmaz	Communication Skills Movie
14:30 – 15:20	ENGLISH	M. Biochemistry LAB: Introduction of laboratory materials and simple solution preparation methods (Group B)	Classifications of enzymes Dr. N.S. Yılmaz	Enzyme kinetics Dr. N.S. Yılmaz	
15:30 – 16:20	ELECTIVE COURSES	M. Biology LAB: Light Microscope, Living and Non-living Cells (Group B)	Classifications of enzymes Dr. N.S. Yılmaz	Free Study Time	Free Study Time
16:30 – 17:20	ELECTIVE COURSES	M. Biochemistry LAB: Introduction of laboratory materials and	Turkish Language	Free Study Time	Free Study Time

		simple solution preparation methods (Group A)			
				18:00-18:50 Ataturk's Principles and History of His Revolutions	

Week 5	12.10.2026 MONDAY	13.10.2026 TUESDAY	14.10.2026 WEDNESDAY	15.10.2026 THURSDAY	16.10.2026 FRIDAY
08:30 – 09:20	RNA Synthesis and RNA processing Dr. H.İ. Önen	Public Health Field Practice 2. Secondary - Tertiary Care	Free Study Time	Free Study Time	Free Study Time
09:30 – 10:20	RNA Synthesis and RNA processing Dr. H.İ. Önen			Regulation of enzyme activity Dr. N.S Yılmaz	Free Study Time
10:30 – 11:20	Molecular biological methods in diagnosis Dr. D. D. Usta Salimi		Current Practices in Forensic Medicine Dr. A. S. Yar, Dr. T. Akar, Dr. N. Varol	Regulation of enzyme activity Dr. N.S Yılmaz	Free Study Time
11:30 – 12:20	Molecular biological methods in diagnosis Dr. D. D. Usta Salimi		Current Practices in Forensic Medicine Dr. A. S. Yar, Dr. T. Akar, Dr. N. Varol	Free Study Time	Free Study Time
13:30 – 14:20	ENGLISH	Genetic Code and Protein Synthesis Dr. A.S. Yar	Factors affecting enzyme activity Dr. N.S Yılmaz	Free Study Time	Communication Skills 3
14:30 – 15:20	ENGLISH	Genetic Code and Protein Synthesis Dr. A.S. Yar	Regulation of enzyme activity Dr. N.S Yılmaz	Free Study Time	Communication Skills 3
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	
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Week 6	19.10.2026 MONDAY	20.10.2026 TUESDAY	21.10.2026 WEDNESDAY	22.10.2026 THURSDAY	23.10.2026 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	
10:30 – 11:20		Free Study Time	Free Study Time	Free Study Time	
11:30 – 12:20		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	
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