

GAZİ UNIVERSITY FACULTY OF MEDICINE
2023-2024 EDUCATIONAL YEAR
1st YEAR

INTRODUCTION TO MEDICINE COMMITTEE (25.09.2023- 02.11.2023)

COURSES	THEORETICAL	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	14	114
ELECTIVE COURSE	10	-	10
INTRODUCTION TO CLINICAL PRACTICE			
EVIDENCE-BASED MEDICINE (EBM)	2	-	2
COMMUNICATION SKILLS	-	8	8
TOTAL	112	22	134

OBLIGATORY COURSES

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

Dean	Prof. Dr. Alper CEYLAN
Vice Dean	Doç. Dr. Asiye UĞRAŞ DİKMEN
Vice Dean	Doç. Dr. Nazmi Mutlu KARAKAŞ
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	Dr. Öğr. Üyesi Meltem SEVGİLİ
Assistant Phase I Coordinator	Dr. Öğr. Üyesi Melek YAMAN
Assistant Phase I Coordinator	Dr. Öğr. Üyesi Kerem ATALAR
Assistant Phase I Coordinator	Dr. Öğr. Üyesi Duygu DAYANIR
Assistant Phase I Coordinator	Dr. Öğr. Üyesi Cansu ÖZBAŞ

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	Dr. Bülent BOYACI
Dr. Atiye Seda YAR SAĞLAM	Dr. Cengiz KARAKAYA	Dr. Sefer AYCAN	Prof. Dr. Elvan İŞERİ
Dr. Nuray VAROLF	Dr. Kübranur ÜNAL	Dr. Cansu ÖZBAŞ	Dr. I. İrem BUDAKOĞLU
		Dr. Sultan Pınar ÇETİNTEPE	Dr. Meltem YALINAY
			Dr. Selçuk ASLAN
BIOPHYSICS	MEDICAL HISTORY AND ETHICS	FORENSIC MEDICINE	Dr. Yasemin TAŞ Torun
			Dr. Aslı KURUOĞLU
Dr. Elçin ÖZGÜR BÜYÜKATALAY	Dr. Nesrin ÇOBANOĞLU	Dr. Taner AKAR	Dr. İrem EKMEKÇİ ERTEK
			Dr. Ayfer KELEŞ
			Dr. Özlem COŞKUN
			Dr. M. Muhittin YALÇIN

COMMUNICATION SKILLS COORDINATOR	Prof. Dr. Nesrin DEMİRSOY
EVIDENCE BASED MEDICINE COORDINATOR	Prof. Dr. Mehmet Ali ERGÜN
ELECTIVE COURSE COORDINATOR	Assoc. Prof. Dr. Ergin DİLEKÖZ

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 :

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

Attitude:

1. To be able to behave according to the values of the medical profession culture and the atmosphere of the medical faculty
2. To understand the importance of keeping a healthy record
3. To understand the importance of evidence-based medical knowledge in the medical profession
4. To understand the importance of the use of basic communication skills

MONDAY	25-09-23	08:30 - 09:20	FREE STUDY TIME
		09:30 - 10:20	What is Medicine and Medical Research Methodology? Dr. N. Çobanoğlu
		10:30 - 11:20	What is Medicine and Medical Research Methodology? Dr. N. Çobanoğlu
		11:30 - 12:20	Public Health Vision and Health-Disease Concept Dr. H. Tüzün
		13:30 - 14:20	FREE STUDY TIME
		14:30 - 15:20	FREE STUDY TIME
		15:30 - 16:20	FREE STUDY TIME
		16:30 - 17:20	FREE STUDY TIME
TUESDAY	26-09-23	08:30 - 09:20	The functions of nucleotides and nucleic acids: DNA and RNA Dr. E. Konaç
		09:30 - 10:20	The functions of nucleotides and nucleic acids: DNA and RNA Dr. E. Konaç
		10:30 - 11:20	Interdisciplinary Sciences and Biophysics Dr. E. Özgür Büyükcatalay
		11:30 - 12:20	Interdisciplinary Sciences and Biophysics Dr. E. Özgür Büyükcatalay
		13:30 - 14:20	Introduction of Biochemistry Dr. O. Canbolat
		14:30 - 15:20	Introduction of Biochemistry Dr. O. Canbolat
		15:30 - 16:20	FREE STUDY TIME
		16:30 - 17:20	FREE STUDY TIME
WEDNESDAY	27-09-23	08:30 - 09:20	Electric Charge, Electric Force, Electric Field, Electric Potential and Potential Energy, Capacity Dr. E. Özgür Büyükcatalay
		09:30 - 10:20	Electric Charge, Electric Force, Electric Field, Electric Potential and Potential Energy, Capacity Dr. E. Özgür Büyükcatalay
		10:30 - 11:20	Biomolecules Dr. N. Varol
		11:30 - 12:20	Biomolecules Dr. N. Varol
		13:30 - 14:20	DNA Role in Heredity: What Is the Evidence that the Gene Is DNA? Dr. A.S. Yar Sağlam
		14:30 - 15:20	FREE STUDY TIME
		15:30 - 16:20	FREE STUDY TIME
		16:30 - 17:20	FREE STUDY TIME
THURSDAY	28-09-23	08:30 - 09:20	DNA Structure and Functional Features Dr. N. Varol

		09:30 - 10:20	The structure and function of mitochondria Dr. A.S. Yar Sağlam
		10:30 - 11:20	Medical Organic Chemistry Dr. C. Karakaya
		11:30 - 12:20	Medical Organic Chemistry Dr. C. Karakaya
		13:30 - 14:20	Electric Charge, Electric Force, Electric Field, Electric Potential and Potential Energy, Capacity Dr. E. Özgür Büyükatalay
		14:30 - 15:20	Electric Charge, Electric Force, Electric Field, Electric Potential and Potential Energy, Capacity Dr. E. Özgür Büyükatalay
		15:30 - 16:20	FREE STUDY TIME
		16:30 - 17:20	FREE STUDY TIME
FRIDAY	29-09-23	08:30 - 09:20	The structure and function of mitochondria Dr. A.S. Yar Sağlam
		09:30 - 10:20	E current, DC & AC properties Dr. E. Özgür Büyükatalay
		10:30 - 11:20	Controlled electric current applications in biological systems Dr. E. Özgür Büyükatalay
		11:30 - 12:20	Medical Organic Chemistry Dr. C. Karakaya
		13:30 - 14:20	Medical Organic Chemistry Dr. C. Karakaya
		14:30 - 15:20	Medical Organic Chemistry Dr. C. Karakaya
		15:30 - 16:20	FREE STUDY TIME
		16:30 - 17:20	FREE STUDY TIME
SATURDAY	30-09-23	08:30 - 09:20	
SUNDAY	01-10-23	08:30 - 09:20	
MONDAY	02-10-23	08:30 - 09:20	Controlled electric current applications in biological systems Dr. E. Özgür Büyükatalay
		09:30 - 10:20	Magnetic field Dr. E. Özgür Büyükatalay
		10:30 - 11:20	The structure and function of biological membranes Dr. A.S. Yar Sağlam
		11:30 - 12:20	The structure and function of biological membranes Dr. A.S. Yar Sağlam
		13:30 - 14:20	ENGLISH
		14:30 - 15:20	
		15:30 - 16:20	ELECTIVE COURSES
		16:30 - 17:20	

TUESDAY	03-10-23	08:30 - 09:20	Medical Organic Chemistry Dr. C. Karakaya
		09:30 - 10:20	Medical Organic Chemistry Dr. C. Karakaya
		10:30 - 11:20	Nucleus and packing of chromatin Dr. A.S. Yar Sağlam
		11:30 - 12:20	Nucleus and packing of chromatin Dr. A.S. Yar Sağlam
		13:30 - 14:20	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	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	FREE STUDY TIME
		16:30 - 17:20	FREE STUDY TIME
		18:00 - 18:50	Ataturk's Principles and History of His Revolutions
WEDNESDAY	04-10-23	08:30 - 09:20	FREE STUDY TIME
		09:30 - 10:20	Nucleolus and its diseases Dr. A.S. Yar Sağlam
		10:30 - 11:20	Medical Organic Chemistry Dr. C. Karakaya
		11:30 - 12:20	Medical Organic Chemistry Dr. C. Karakaya
		13:30 - 14:20	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	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	FREE STUDY TIME
		16:30 - 17:20	Turkish Language
		THURSDAY	05-10-23
09:30 - 10:20	Health Services Dr. H. Tüzün		
10:30 - 11:20	Medical Organic Chemistry Dr. C. Karakaya		

		11:30 - 12:20	Medical Organic Chemistry Dr. C. Karakaya
		13:30 - 14:20	Electrophoresis Dr. E. Özgür Büyükcatalay
		14:30 - 15:20	FREE STUDY TIME
		15:30 - 16:20	FREE STUDY TIME
		16:30 - 17:20	FREE STUDY TIME
FRIDAY	06-10-23	08:30 - 09:20	Medical Organic Chemistry Dr. C. Karakaya
		09:30 - 10:20	Medical Organic Chemistry Dr. C. Karakaya
		10:30 - 11:20	Active and Passive transducers, usage of transducers in medicine Dr. E. Özgür Büyükcatalay
		11:30 - 12:20	Laser in Medicine Dr. E. Özgür Büyükcatalay
		13:30 - 14:20	Functional portions and protein traffic in cells Dr. H.İ. Önen
		14:30 - 15:20	Functional portions and protein traffic in cells Dr. H.İ. Önen
		15:30 - 16:20	FREE STUDY TIME
		16:30 - 17:20	FREE STUDY TIME
SATURDAY	07-10-23	08:30 - 09:20	
SUNDAY	08-10-23	08:30 - 09:20	
MONDAY 1	09-10-23	08:30 - 09:20	FREE STUDY TIME
		09:30 - 10:20	Cellular tubulin and filaments systems Dr. H.İ. Önen
		10:30 - 11:20	Bioenergetics Dr. M. Kavutçu
		11:30 - 12:20	Bioenergetics Dr. M. Kavutçu
		13:30 - 14:20	ENGLISH
		14:30 - 15:20	
		15:30 - 16:20	ELECTIVE COURSES
		16:30 - 17:20	
TUESDAY	10-10-23	08:30 - 09:20	Medical Biology LAB. Light Microscope, Living and Non-living Cells Group A
		09:30 - 10:20	Medical Biochemistry LAB. Introduction of laboratory materials and simple solution preparation methods Group B
		10:30 - 11:20	Medical Biology LAB. Light Microscope, Living and Non-living Cells

		11:30 - 12:20	Group B Medical Biochemistry LAB. Introduction of laboratory materials and simple solution preparation methods Group A
		13:30 - 14:20	Health Prevention and Promotion Dr. C. Özbaş
		14:30 - 15:20	Primary Health Care Vision Dr. H. Tüzün
		15:30 - 16:20	FREE STUDY TIME
		16:30 - 17:20	FREE STUDY TIME
		18:00 - 18:50	Ataturk's Principles and History of His Revolutions
WEDNESDAY	11-10-23	08:30 - 09:20	FREE STUDY TIME
		09:30 - 10:20	FREE STUDY TIME
		10:30 - 11:20	Amino acid structure, classification reaction, and transports Dr. M. Kavutçu
		11:30 - 12:20	Amino acid structure, classification reaction, and transports Dr. M. Kavutçu
		13:30 - 14:20	Mutations and mutagens Dr. A.S. Yar Sağlam
		14:30 - 15:20	Mutations and mutagens Dr. A.S. Yar Sağlam
		15:30 - 16:20	FREE STUDY TIME
		16:30 - 17:20	Turkish Language
THURSDAY	12-10-23	08:30 - 09:20	FREE STUDY TIME
		09:30 - 10:20	FREE STUDY TIME
		10:30 - 11:20	Work and Health Concept Dr. S. P. Çetintepe
		11:30 - 12:20	Mutations and mutagens Dr. A.S. Yar Sağlam
		13:30 - 14:20	Peptides and proteins Dr. M. Kavutçu
		14:30 - 15:20	Peptides and proteins Dr. M. Kavutçu
		15:30 - 16:20	ER stress diseases, lysosome, Golgi apparatus, and peroxisome diseases Dr. H.İ. Önen
		16:30 - 17:20	ER stress diseases, lysosome, Golgi apparatus, and peroxisome diseases Dr. H.İ. Önen
FRIDAY	13.10.2023 DIII Komite	08:30 - 09:20	COMMUNICATION SKILLS
		09:30 - 10:20	
		10:30 - 11:20	FREE STUDY TIME
		11:30 - 12:20	FREE STUDY TIME

		13:30 - 14:20	DNA replication (prokaryotic and eukaryotic) Dr. H.İ. Önen
		14:30 - 15:20	DNA replication (prokaryotic and eukaryotic) Dr. H.İ. Önen
		15:30 - 16:20	FREE STUDY TIME
		16:30 - 17:20	FREE STUDY TIME
SATURDAY	14-10-23	08:30 - 09:20	
SUNDAY	15-10-23	08:30 - 09:20	
MONDAY 2	16-10-23	08:30 - 09:20	Biochemistry of nucleic acids Dr. O. Canbolat
		09:30 - 10:20	Biochemistry of nucleic acids Dr. O. Canbolat
		10:30 - 11:20	DNA Repair Mechanisms Dr. H.İ. Önen
		11:30 - 12:20	DNA Repair Mechanisms Dr. H.İ. Önen
		13:30 - 14:20	ENGLISH
		14:30 - 15:20	
		15:30 - 16:20	ELECTIVE COURSES
		16:30 - 17:20	
TUESDAY	17-10-23	08:30 - 09:20	Public Health Field Practice 1: Primary Care
		09:30 - 10:20	
		10:30 - 11:20	
		11:30 - 12:20	
		13:30 - 14:20	Classifications of enzymes Dr. K. Ünal
		14:30 - 15:20	Classifications of enzymes Dr. K. Ünal
		15:30 - 16:20	FREE STUDY TIME
		16:30 - 17:20	FREE STUDY TIME
		18:00 - 18:50	Ataturk's Principles and History of His Revolutions
		WEDNESDAY	18-10-23
09:30 - 10:20	FREE STUDY TIME		
10:30 - 11:20	Enzyme kinetics Dr. K. Ünal		
11:30 - 12:20	Enzyme kinetics Dr. K. Ünal		

		13:30 - 14:20	Factors affecting enzyme activity Dr. K. Ünal
		14:30 - 15:20	Control of cell cycle Dr. E. Konaç
		15:30 - 16:20	Control of cell cycle Dr. E. Konaç
		16:30 - 17:20	Turkish Language
THURSDAY	19-10-23	08:30 - 09:20	Molecular mechanisms underlying the mitosis-meiosis Dr. E. Konaç
		09:30 - 10:20	Molecular mechanisms underlying the mitosis-meiosis Dr. E. Konaç
		10:30 - 11:20	Regulation of enzyme activity Dr. K. Ünal
		11:30 - 12:20	Regulation of enzyme activity Dr. K. Ünal
		13:30 - 14:20	Medical Biology LAB. Whole blood genomic DNA isolation Group A
		14:30 - 15:20	Medical Biochemistry LAB. Spectrophotometric measurement principles Group B
		15:30 - 16:20	Medical Biology LAB. Whole blood genomic DNA isolation Group B
		16:30 - 17:20	Medical Biochemistry LAB. Spectrophotometric measurement principles Group A
FRIDAY	20-10-23	08:30 - 09:20	COMMUNICATION SKILLS
		09:30 - 10:20	
		10:30 - 11:20	COMMUNICATION SKILLS
		11:30 - 12:20	
		13:30 - 14:20	Difference between Spermatogenesis and Oogenesis Dr. E. Konaç
		14:30 - 15:20	Crossing over, recombination, and gene linkage Dr. E. Konaç
		15:30 - 16:20	Health Indicators and Health Level in Turkey Dr. H. Tüzün
		16:30 - 17:20	Health Indicators and Health Level in Turkey Dr. H. Tüzün
SATURDAY	21-10-23	08:30 - 09:20	
SUNDAY	22-10-23	08:30 - 09:20	
MONDAY	23-10-23	08:30 - 09:20	FREE STUDY TIME
		09:30 - 10:20	The molecular mechanisms of fertilization Dr. E. Konaç

		10:30 - 11:20	RNA Synthesis and RNA Processing Dr. H.İ. Önen
		11:30 - 12:20	RNA Synthesis and RNA Processing Dr. H.İ. Önen
		13:30 - 14:20	ENGLISH
		14:30 - 15:20	
		15:30 - 16:20	ELECTIVE COURSES
		16:30 - 17:20	
TUESDAY	24-10-23	08:30 - 09:20	FREE STUDY TIME
		09:30 - 10:20	Genetic Code and Protein Synthesis Dr. H.İ. Önen
		10:30 - 11:20	Genetic Code and Protein Synthesis Dr. H.İ. Önen
		11:30 - 12:20	Molecular biological methods in diagnosis Dr. A.S. Yar Sağlam
		13:30 - 14:20	Molecular biological methods in diagnosis Dr. A.S. Yar Sağlam
		14:30 - 15:20	PANEL Current Practices in Forensic Medicine
		15:30 - 16:20	Dr. T. Akar Dr. A. S. Yar Sağlam
		16:30 - 17:20	FREE STUDY TIME
WEDNESDAY	25-10-23	08:30 - 09:20	FREE STUDY TIME
		09:30 - 10:20	Environmental Disease Concept and Types of Environmental Exposure Dr. F.N. Aksakal
		10:30 - 11:20	Regulation of enzyme activity Dr. K. Ünal
		11:30 - 12:20	Health System in Turkey Dr. H. Tüzün
		13:30 - 14:20	Evidence-based medicine Dr. M.A. Ergün
		14:30 - 15:20	Evidence-based medicine Dr. M.A. Ergün
		15:30 - 16:20	FREE STUDY TIME
		16:30 - 17:20	Turkish Language
THURSDAY	26-10-23	08:30 - 09:20	Public Health Field Practice 2. Secondary - Tertiary Care
		09:30 - 10:20	
		10:30 - 11:20	
		11:30 - 12:20	

		13:30 - 14:20	Medical Biochemistry LAB. Factors Affecting Enzyme Kinetics
		14:30 - 15:20	
		15:30 - 16:20	
		16:30 - 17:20	
FRIDAY	27.10.2023 DII Komite	08:30 - 09:20	FREE STUDY TIME
		09:30 - 10:20	FREE STUDY TIME
		10:30 - 11:20	FREE STUDY TIME
		11:30 - 12:20	FREE STUDY TIME
		13:30 - 14:20	COMMUNICATION SKILLS
		14:30 - 15:20	
		15:30 - 16:20	FREE STUDY TIME
		16:30 - 17:20	FREE STUDY TIME
SATURDAY	28-10-23	08:30 - 09:20	
SUNDAY	29-10-23	08:30 - 09:20	
MONDAY	30-10-23	08:30 - 09:20	Medical Biology LAB. Polymerase Chain Reaction (PCR)
		09:30 - 10:20	
		10:30 - 11:20	
		11:30 - 12:20	
		13:30 - 14:20	ENGLISH
		14:30 - 15:20	
		15:30 - 16:20	ELECTIVE COURSES
		16:30 - 17:20	
TUESDAY	31-10-23	08:30 - 09:20	FREE STUDY TIME
		09:30 - 10:20	FREE STUDY TIME
		10:30 - 11:20	FREE STUDY TIME
		11:30 - 12:20	FREE STUDY TIME
		13:30 - 14:20	FREE STUDY TIME

		14:30 - 15:20	FREE STUDY TIME
		15:30 - 16:20	FREE STUDY TIME
		16:30 - 17:20	FREE STUDY TIME
		18:00 - 18:50	Ataturk's Principles and History of His Revolutions
WEDNESDAY	01-11-23	08:30 - 09:20	FREE STUDY TIME
		09:30 - 10:20	FREE STUDY TIME
		10:30 - 11:20	FREE STUDY TIME
		11:30 - 12:20	FREE STUDY TIME
		13:30 - 14:20	FREE STUDY TIME
		14:30 - 15:20	FREE STUDY TIME
		15:30 - 16:20	FREE STUDY TIME
		16:30 - 17:20	Turkish Language
THURSDAY	02-11-23	08:30 - 09:20	INTRODUCTION TO MEDICINE COMMITTEE EXAM
		09:30 - 10:20	
		10:30 - 11:20	
		11:30 - 12:20	
		13:30 - 14:20	FREE STUDY TIME
		14:30 - 15:20	FREE STUDY TIME
		15:30 - 16:20	FREE STUDY TIME
		16:30 - 17:20	FREE STUDY TIME
FRIDAY	03-11-23	08:30 - 09:20	FREE STUDY TIME
		09:30 - 10:20	FREE STUDY TIME
		10:30 - 11:20	FREE STUDY TIME
		11:30 - 12:20	FREE STUDY TIME
		13:30 - 14:20	FREE STUDY TIME
		14:30 - 15:20	FREE STUDY TIME
		15:30 - 16:20	FREE STUDY TIME

