

GAZİ UNIVERSITY FACULTY OF MEDICINE

2022-2023 EDUCATIONAL YEAR

YEAR I

INTRODUCTION TO MEDICINE COMMITTEE (SEPTEMBER 26 - NOVEMBER 04, 2022)

COURSES	THEORETICAL	PRACTICAL	TOTAL
Medical Biology	37	1X4	38
Medical Biochemistry	31	3X4	34
Biophysics	17	-	17
Public Health	9	2x4	11
Medical History and Ethics	2	-	2
TOTAL	96	6	102
ELECTIVE COURSE	12	-	12
INTRODUCTION TO CLINICAL PRACTICE			
EVIDENCE BASED MEDICINE (EBM)	2	-	2
COMMUNICATION SKILLS	-	8	8
TOTAL	110	14	124

OBLIGATORY COURSES

Turkish Language	12
Ataturk's Principles and History of His Revolutions	6
English	12

Dean	Prof. Dr. Mustafa Necmi İLHAN
Vice Dean	Prof. Dr. İlyas OKUR
Vice Dean	Prof. Dr. Özlem GÜZEL TUNÇCAN
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	Assoc. Prof. Dr. Atiye Seda YAR SAĞLAM
Assistant Phase I Coordinator	Asst. Prof. Dr. Meltem SEVGİLİ
Assistant Phase I Coordinator	Asst. Prof. Dr. Kerem ATALAR
Assistant Phase I Coordinator	Asst. Prof. Dr. Duygu DAYANIR
Assistant Phase I Coordinator	Asst. Prof. Dr. Melek YAMAN

MEMBERS OF COMMITTEE

MEDICAL BIOLOGY	MEDICAL BIOCHEMISTRY	PUBLIC HEALTH	COMMUNICATION SKILLS
Dr. Ece KONAÇ	Dr. Mustafa KAVUTÇU	Dr. Mustafa N. İLHAN	Dr. Bülent BOYACI
Dr. H. İlke ÖNEN	Dr. Orhan CANBOLAT	Dr. F. Nur AKSAKAL	Dr. Nesrin DEMİRSOY
Dr. Atiye Seda YAR SAĞLAM	Dr. Cengiz KARAKAYA	Dr. Hakan TÜZÜN	Prof. Dr. Elvan İŞERİ
	Dr. Kübranur ÜNAL	Dr. Volkan MEDENİ	Dr. I. İrem BUDAKOĞLU
		Dr. Cansu ÖZBAŞ	Dr. Meltem YALINAY
		Dr. Sultan Pınar ÇETİNTEPE	Dr. Selçuk ASLAN
BIOPHYSICS	MEDICAL HISTORY AND ETHICS		Dr. Tuğba TUNÇ
Dr. Elçin ÖZGÜR BÜYÜKATALAY	Dr. Nesrin ÇOBANOĞLU		Dr. Aslı KURUOĞLU
			Dr. Ayfer KELEŞ
			Dr. Özlem COŞKUN
			Dr. M. Muhittin YALÇIN

COMMUNICATION SKILLS COORDINATOR	Prof. Dr. Bülent BOYACI
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 basic 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 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, 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 public health perspective to 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 basic health services
15. To explain the concept of health prevention and promotion

Skills :

1. To be able to show parts and use of 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 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

	26.09.2022 MONDAY	27.09.2022 TUESDAY	28.09.2022 WEDNESDAY	29.09.2022 THURSDAY	30.09.2022 FRIDAY
08:30-09:20	FREE STUDY TIME	Interdisciplinary Sciences and Biophysics Dr. E. Özgür Büyükkatalay	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME
09:30-10:20	FREE STUDY TIME	Interdisciplinary Sciences and Biophysics Dr. E. Özgür Büyükkatalay	Public Health vision and Health-Disease Concept Dr. M.N. İlhan	Health Services Dr. H. Tüzün	E current, DC&AC Properties Dr. E. Özgür Büyükkatalay
10:30-11:20	RECTOR OF GAZİ UNIVERSITY Fall Term Opening Lecture Prof. Dr. Musa Yıldız	Introduction of Biochemistry Dr. O. Canbolat	Electric Charge, Electric Force, Electric Field (E), Electric Potential And Potential Energy, Capacity Dr. E. Özgür Büyükkatalay	The functions of nucleotides and nucleic acids: DNA and RNA Dr. E. Konaç	Primary Health Care Vision Dr. H. Tüzün
11:30-12:20	GAZİ UNIVERSITY RECTORATE ORIENTATION AND MEETING WITH STUDENTS (Online)	Introduction of Biochemistry Dr. O. Canbolat	Electric Charge, Electric Force, Electric Field (E), Electric Potential And Potential Energy, Capacity Dr. E. Özgür Büyükkatalay	The functions of nucleotides and nucleic acids: DNA and RNA Dr. E. Konaç	Work and Health Concept Dr. S.P. Çetintepe
13:30-14:20	GAZİ UNIVERSITY RECTORATE ORIENTATION AND MEETING WITH STUDENTS (Online)	Introduction to Biochemistry : Medical organic chemistry Dr.C.Karakaya	DEAN OF THE FACULTY OF MEDICINE, GAZİ UNIVERSITY Academic Year Opening Speech	Electric Charge, Electric Force, Electric Field (E), Electric Potential And Potential Energy, Capacity Dr. E. Özgür Büyükkatalay	Biomolecules Dr. A. S. Yar Sağlam
14:30-15:20	GAZİ UNIVERSITY RECTORATE ORIENTATION AND MEETING WITH STUDENTS (Online)	Introduction to Biochemistry : Medical organic chemistry Dr.C.Karakaya	Prof. Dr. Mustafa Necmi İlhan (Online)	Electric Charge, Electric Force, Electric Field (E), Electric Potential And Potential Energy, Capacity Dr. E. Özgür Büyükkatalay	Biomolecules Dr. A. S. Yar Sağlam
15:30-16:20	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME
16:30-17:20	FREE STUDY TIME	5i Course TURKISH LANGUAGE (Online)	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME
17:30-18:10	FREE STUDY TIME	5i Course ATATURK'S PRINCIPLES AND HISTORY OF TURKISH REVOLUTION (Online)	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME

	03.10.2022 MONDAY	04.10.2022 TUESDAY	05.10.2022 WEDNESDAY	06.10.2022 THURSDAY	07.10.2022 FRIDAY
08:30-09:20	Introduction to Biochemistry : Medical organic chemistry Dr.C.Karakaya	FREE STUDY TIME	APPLIED COURSES BIOCHEM. Introduction of laboratory materials and simple solution preparation methods	Health Indicators and Health Level in Turkey Dr. H. Tüzün	FREE STUDY TIME
09:30-10:20	Introduction to Biochemistry : Medical organic chemistry Dr.C.Karakaya	Enviromental Disease Concept and Types of Enviromental Exposure Dr.F.N. Aksakal	APPLIED COURSES BIOCHEM. Introduction of laboratory materials and simple solution preparation methods	Health Indicators and Health Level in Turkey Dr. H. Tüzün	Health System in Turkey Dr. H. Tüzün
10:30-11:20	What is Medicine and Medical Research Methodology? Dr.N. Çobanoğlu	Health Prevention and Promotion Dr. C. Özbaş	APPLIED COURSES BIOCHEM. Introduction of laboratory materials and simple solution preparation methods	Introduction to Biochemistry : Medical organic chemistry Dr.C.Karakaya	The Structure and Function of Biological Membranes Dr. H.İ. Önen
11:30-12:20	What is Medicine and Medical Research Methodology? Dr..N. Çobanoğlu	Introduction to Biochemistry : Medical organic chemistry Dr.C.Karakaya	APPLIED COURSES BIOCHEM. Introduction of laboratory materials and simple solution preparation methods	Introduction to Biochemistry : Medical organic chemistry Dr.C.Karakaya	The Structure and Function of Biological Membranes Dr. H.İ. Önen
13:30-14:20	ENGLISH	Introduction to Biochemistry : Medical organic chemistry Dr.C.Karakaya	DNA Role in Heredity: What Is the Evidence that the Gene Is DNA? Dr. A. S. Yar Sağlam	The Structure and Function of Mitochondria Dr. H.İ. Önen	Introduction to Biochemistry : Medical organic chemistry Dr.C.Karakaya
14:30-15:20	ENGLISH	Controlled Electric Current Applications in Biological Systems Dr. E. Özgür Büyükatay	DNA Structure and functional features Dr. A. S. Yar Sağlam	The Structure and Function of Mitochondria Dr. H.İ. Önen	Introduction to Biochemistry : Medical organic chemistry Dr.C.Karakaya
15:30-16:20	ELECTIVE COURSE	Controlled Electric Current Applications in Biological Systems Dr. E. Özgür Büyükatay	Introduction to Biochemistry : Medical organic chemistry Dr.C.Karakaya	Magnetic Field Dr. E. Özgür Büyükatay	FREE STUDY TIME
16:30-17:20	ELECTIVE COURSE	5i Course TURKISH LANGUAGE (Online)	Introduction to Biochemistry : Medical organic chemistry Dr.C.Karakaya		FREE STUDY TIME
17:30-18:10	FREE STUDY TIME	5i Course ATATURK'S PRINCIPLES AND HISTORY OF TURKISH REVOLUTION (Online)	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME

	10.10.2022 MONDAY	11.10.2022 TUESDAY	12.10.2022 WEDNESDAY	13.10.2022 THURSDAY	14.10.2022 FRIDAY
08:30-09:20	FREE STUDY TIME	MEDICAL BIOLOGY Light Microscope, Living and Non-living Cells-	Public health field study-1 (first step)	FREE STUDY TIME	COMMUNICATION SKILLS (Applied course-1)
09:30-10:20	Introduction to Biochemistry : Medical organic chemistry Dr.C.Karakaya	MEDICAL BIOLOGY Light Microscope, Living and Non-living Cells-	Public health field study-1 (first step)	FREE STUDY TIME	COMMUNICATION SKILLS (Applied course-1)
10:30-11:20	Functional Portions and Protein Traffic in Cells Dr. A. S. Yar Sağlam	MEDICAL BIOLOGY Light Microscope, Living and Non-living Cells-	Public health field study-1 (first step)	Bioenergetics Dr. M. Kavutçu	ER stress diseases, lysosome, Golgi apparatus and peroxisome diseases Dr. A. S. Yar Sağlam
11:30-12:20	Functional Portions and Protein Traffic in Cells Dr. A. S. Yar Sağlam	MEDICAL BIOLOGY Light Microscope, Living and Non-living Cells-	Public health field study-1 (first step)	Bioenergetics Dr. M. Kavutçu	ER stress diseases, lysosome, Golgi apparatus and peroxisome diseases Dr. A. S. Yar Sağlam
13:30-14:20	ENGLISH	Nucleus and packing of chromatin Dr. H.İ. Önen	Nucleolus and its diseases Dr. H.İ. Önen	Functional Portions and Protein Traffic in Cells Dr. A. S. Yar Sağlam	APPLIED COURSES BIOCHEM. Spectrophotometric measurement principles
14:30-15:20	ENGLISH	Nucleus and packing of chromatin Dr. H.İ. Önen	Nucleolus and its diseases Dr. H.İ. Önen	Cellular Tubulin and Filaments Systems Dr. A. S. Yar Sağlam	APPLIED COURSES BIOCHEM. Spectrophotometric measurement principles
15:30-16:20	ELECTIVE COURSE	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. E. Özgür Büyükcatalay	FREE STUDY TIME	APPLIED COURSES BIOCHEM. Spectrophotometric measurement principles
16:30-17:20	ELECTIVE COURSE	5i Course TURKISH LANGUAGE (Online)	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	FREE STUDY TIME	APPLIED COURSES BIOCHEM. Spectrophotometric measurement principles
17:30-18:10	FREE STUDY TIME	5i Course ATATURK'S PRINCIPLES AND HISTORY OF TURKISH REVOLUTION (Online)	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME

	17.10.2022 MONDAY Phase III Theoretical Exam	18.10.2022 TUESDAY	19.10.2022 WEDNESDAY	20.10.2022 THURSDAY	21.10.2022 FRIDAY
08:30-09:20	APPLIED COURSES BIOCHEM. Factors affecting enzyme kinetics	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME	COMMUNICATION SKILLS (Applied course-2)
09:30-10:20	APPLIED COURSES BIOCHEM. Factors affecting enzyme kinetics	Mutations and mutagens Dr. A. S. Yar Sağlam	FREE STUDY TIME	DNA Replication (prokaryotic and eukaryotic) Dr. H.I. Önen	COMMUNICATION SKILLS (Applied course-2)
10:30-11:20	APPLIED COURSES BIOCHEM. Factors affecting enzyme kinetics	Mutations and mutagens Dr. A. S. Yar Sağlam	Peptides and Proteins Dr. M. Kavutçu	DNA Replication (prokaryotic and eukaryotic) Dr. H.I. Önen	MOVIE PRESENTATION 
11:30-12:20	APPLIED COURSES BIOCHEM. Factors affecting enzyme kinetics	Mutations and mutagens Dr. A. S. Yar Sağlam	Peptides and Proteins Dr. M. Kavutçu	Electrophoresis Dr. E. Özgür Büyükcatalay	COMMUNICATION SKILLS (Applied course-3) 6th floor Conference hall
13:30-14:20	ENGLISH	Amino acid Structure, Classification Reaction and Transports Dr. M. Kavutçu	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	Biochemistry of Nucleic Acids Dr. O. Canbolat	DNA Repair Mechanisms Dr. H.I. Önen
14:30-15:20	ENGLISH	Amino acid Structure, Classification Reaction and Transports Dr. M. Kavutçu	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	Biochemistry of Nucleic Acids Dr. O. Canbolat	DNA Repair Mechanisms Dr. H.I. Önen
15:30-16:20	ELECTIVE COURSE	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME
16:30-17:20	ELECTIVE COURSE	5i Course TURKISH LANGUAGE (Online)	FREE STUDY TIME		FREE STUDY TIME
17:30-18:20		5i Course ATATURK'S PRINCIPLES AND HISTORY OF TURKISH REVOLUTION (Online)	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME

	24.10.2022 MONDAY	25.10.2022 TUESDAY	26.10.2022 WEDNESDAY	27.10.2022 THURSDAY Phase II Theoretical Exam	28.10.2022 FRIDAY
08:30-09:20	Classification of Enzymes Dr. K. Ünal	FREE STUDY TIME	Evidence based medicine (EBM) Theoretical course	Public health field study-1 (2nd and 3rd step)	FREE STUDY TIME
09:30-10:20	Classification of Enzymes Dr. K. Ünal	Molecular mechanisms underlying the mitosis-meiosis Dr. E. Konaç	Evidence based medicine (EBM) Theoretical course	Public health field study-1 (2nd and 3rd step)	FREE STUDY TIME
10:30-11:20	Control of cell cycle Dr. E. Konaç	Active and Passive Transducers, Usage of Transducers in Medicine Dr. E. Özgür Büyükkatalay	Difference between Spermatogenesis and Oogenesis Dr. E. Konaç	Public health field study-1 (2nd and 3rd step)	FREE STUDY TIME
11:30-12:20	Molecular mechanisms underlying the mitosis-meiosis Dr. E. Konaç	Laser in Medicine Dr. E. Özgür Büyükkatalay	Crossing over, recombination and gene linkage Dr. E. Konaç	Public health field study-1 (2nd and 3rd step)	FREE STUDY TIME
13:30-14:20	ENGLISH	Enzyme Kinetics Dr. K. Ünal	FREE STUDY TIME	COMMUNICATION SKILLS (Applied course-4)	PUBLIC HOLIDAY
14:30-15:20	ENGLISH	Enzyme Kinetics Dr. K. Ünal	FREE STUDY TIME	COMMUNICATION SKILLS (Applied course-4)	PUBLIC HOLIDAY
15:30-16:20	ELECTIVE COURSE	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME	PUBLIC HOLIDAY
16:30-17:20	ELECTIVE COURSE	<u>5i Course</u> TURKISH LANGUAGE (Online)	FREE STUDY TIME	FREE STUDY TIME	PUBLIC HOLIDAY
17:30-18:20		<u>5i Course</u> ATATURK'S PRINCIPLES AND HISTORY OF TURKISH REVOLUTION (Online)	FREE STUDY TIME	FREE STUDY TIME	PUBLIC HOLIDAY

	31.10.2022 MONDAY	01.11.2022 TUESDAY	02.11.2022 WEDNESDAY	03.11.2022 THURSDAY	04.11.2022 FRIDAY
08:30-09:20	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME	<p style="text-align: center;">PHASE I</p> <p style="text-align: center;">COMMITTEE 1</p> <p style="text-align: center;">THEORETICAL EXAM</p> <p style="text-align: center;">+</p> <p style="text-align: center;">EBM + Com. Ski.</p> <p style="text-align: center;">EXAM</p> <p style="text-align: center;">Time:09:30</p>
09:30-10:20	The Molecular Mechanisms of Fertilization Dr. E. Konaç	RNA Synthesis and RNA processing Dr. H.İ. Önen	Regulation of Enzyme Activity Dr. K. Ünal	FREE STUDY TIME	
10:30-11:20	Factors Affecting Enzyme Activity Dr. K. Ünal	RNA Synthesis and RNA processing Dr. H.İ. Önen	Regulation of Enzyme Activity Dr. K. Ünal	FREE STUDY TIME	
11:30-12:20	Regulation of Enzyme Activity Dr. K. Ünal	Genetic Code and Protein Synthesis Dr. A. S. Yar Sağlam	FREE STUDY TIME	FREE STUDY TIME	
13:30-14:20	ENGLISH	Genetic Code and Protein Synthesis Dr. A. S. Yar Sağlam	FREE STUDY TIME	FREE STUDY TIME	
14:30-15:20	ENGLISH	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME
15:30-16:20	ELECTIVE COURSE	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME
16:30-17:20	ELECTIVE COURSE	5i Course TURKISH LANGUAGE (Online)	FREE STUDY TIME		FREE STUDY TIME
17:30-18:20		5i Course ATATURK'S PRINCIPLES AND HISTORY OF TURKISH REVOLUTION (Online)	FREE STUDY TIME	FREE STUDY TIME	