

**UNIVERSITY OF KYRENIA FACULTY OF MEDICINE
ORIENTATION PROGRAMME
2023-2024**

10.11.2023 Wednesday

09.30-10.45 Introduction of the campus

10.45-11.00 Coffee break

11.00-12.00 Information about UZEM and the Genius system

10.12.2023 Thursday

10.00-14.30 Girne (Kyrenia) City Tour

10.13.2023 Friday

09.30-14.30 (Lefkoşa) Nicosia City Tour

10.16.2023 Monday

10.00-11.30 White coat ceremony

11.30-12.00 Group photo with white coats

13.00-14.00 Information education and training exam regulations

10.17.2023 Tuesday: Start of Classes

KYRENIA UNIVERSITY FACULTY OF MEDICINE
2023-2024 EDUCATIONAL YEAR
YEAR I
INTRODUCTION TO MEDICINE COMMITTEE
(OCTOBER 17 - DECEMBER 01, 2023)

COURSES	THEORETICAL	PRACTICAL	TOTAL
Medical Biology	41	3X2	47
Medical Biochemistry	31	3X2	37
Biophysics	12	-	12
Public Health	9	8x2	25
Medical Genetics	7	--	7
Medical History and Ethics	2	-	2
TOTAL	102	28	130

Dean	Prof.Dr.Rüveyde BUNDAK
Vice Dean	Prof. Dr. Candan ÖZOĞUL
Coordinator	Dr. İdil Aslan

LECTURERS

MEDICAL BIOLOGY		MEDICAL BIOCHEMISTRY	PUBLIC HEALTH
Prof. Pınar Tulay	Prof. Mahmut Çerkez Ergören	Prof. Dr. Levent Kayrın	Prof. Dr. Melikşah Ertem
Dr.İdil Aslan		Dr. Mete Öztunç	Dr. Aziz Okay Tabuk
MEDICAL GENETIC		BIOPHYSICS	MEDICAL HISTORY and ETHICS
Prof. Dr. Mehmet Ali Ergün		Prof. Dr. Ferit Pehlivan	Prof. Dr. Cemal Güvercin

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

1.st Week	10.16.2023 MONDAY	10.17.2023 TUESDAY	10.18.2023 WEDNESDAY	10.19.2023 THURSDAY	10.20.2023 FRIDAY
08:30-09:20	WHITE COAT CEREMONY		FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME
09:30-10:20		Introduction to Biochemistry : Atomic Structure Dr. L. Kayrın	Introduction to Biochemistry : Atomic Structure Dr. L. Kayrın	Biophysics Subject and Methodology (Online) Dr. Pehlivan	FREE STUDY TIME
10:30-11:20		Introduction to Biochemistry : Atomic Structure Dr. L. Kayrın	Introduction to Biochemistry : Atomic Structure Dr. L. Kayrın	Interdisciplinary Sciences and Biophysics (Online) Dr. Pehlivan	FREE STUDY TIME
11:30-12:20		FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME
13:30-14:20	MEETING ON EDUCATION AND TRAINING EXAM REGULATIONS	FREE STUDY TIME	FREE STUDY TIME	Introduction to Biochemistry : Medicalorganic chemistry Dr. L. Kayrın	FREE STUDY TIME
14:30-15:20		FREE STUDY TIME	FREE STUDY TIME	Introduction to Biochemistry : Medicalorganic chemistry Dr. L. Kayrın	FREE STUDY TIME
15:30-16:20		FREE STUDY TIME	FREE STUDY TIME	Introduction to Biochemistry : Medicalorganic chemistry Dr. L. Kayrın	FREE STUDY TIME
16:30-17:20		FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME

2nd Week	10.23.2023 MONDAY	10.24.2023 TUESDAY	10.25.2023 WEDNESDAY	10.26.2023 THURSDAY	10.27.2023 FRIDAY
08:30-09:20	FREE STUDY TIME	FREE STUDY TIME	The Evolution of Genes and Genomes Dr. Ergören	FREE STUDY TIME	FREE STUDY TIME
09:30-10:20	Living as open systems in terms of biophysics (Online) Dr. Pehlivan	Ph, buffer, acide, base Dr. L. Kayrın	Formation of Homologues of Genes and Gene Families Dr. Ergören	Biomechanics basic concepts, work, power, energy (Online) Dr. Pehlivan	Structural and Functional Features of DNA Dr. Aslan
10:30-11:20	Measuring units, meaningful representation of numbers (Online) Dr. Pehlivan	Ph, buffer, acide, base Dr. L. Kayrın	Functions of Nucleotides and Nucleic Acids: DNA and RNA Dr. Ergören	Equilibrium conditions, Anatomy Mechanics applications (Online) Dr. Pehlivan	DNA Replication (prokaryotic and eukaryotic) Dr. Aslan
11:30-12:20	FREE STUDY TIME	Ph, buffer, acide, base Dr. L. Kayrın	Functions of Nucleotides and Nucleic Acids: DNA and RNA Dr. Ergören	FREE STUDY TIME	DNA Replication (prokaryotic and eukaryotic) Dr. Aslan
13:30-14:20	Solutions Dr. L. Kayrın	APPLIED COURSES BIOCHEM. 1 Introduction of laboratory materials and simple solution preparation methods Anabilim Dalı Öğretim Üyeleri	DNA repair mechanisms Dr. Ergören	Biomolecules Dr. Tulay	Difference between Spermatogenesis and Oogenesis Dr. Aslan
14:30-15:20	Solutions Dr. L. Kayrın	APPLIED COURSES BIOCHEM. 1 Introduction of laboratory materials and simple solution preparation methods Anabilim Dalı Öğretim Üyeleri	Mitosis and meiosis Dr. Ergören	Biomolecules Dr. Tulay	Molecular mechanism of Fertilisation Dr. Aslan
15:30-16:20	FREE STUDY TIME	APPLIED COURSES BIOCHEM. 1 Introduction of laboratory materials and simple solution preparation methods Anabilim Dalı Öğretim Üyeleri	Crossing over, Recombination and Linkage Dr. Ergören	The Structure and Function of Biological Membranes Dr. Tulay	FREE STUDY TIME
16:30-17:20	FREE STUDY TIME	APPLIED COURSES BIOCHEM. 1 Introduction of laboratory materials and simple solution preparation methods Anabilim Dalı Öğretim Üyeleri	Control of Cell Cycle Dr. Ergören	The Structure and Function of Biological Membranes Dr. Tulay	FREE STUDY TIME

3rd Week	10.30.2023 MONDAY	10.31.2023 TUESDAY	11.01.2023 WEDNESDAY	11.02.2023 THURSDAY	11.03.2023 FRIDAY
08:30-09:20	APPLIED COURSES MEDICAL BIOLOGY 1 Light Microscope, Living and Non-living Cells- Dr. Aslan	FREE STUDY TIME	FREE STUDY TIME	The Structure and Function of Mitochondria Dr. Tulay	FREE STUDY TIME
09:30-10:20	APPLIED COURSES MEDICAL BIOLOGY 1 Light Microscope, Living and Non-living Cells- Dr. Aslan	Mechanical properties of biological material (Online) Dr. Pehlivan	FREE STUDY TIME	The Structure and Function of Mitochondria Dr. Tulay	Values of medicine (Online) Dr. Güvercin
10:30-11:20	APPLIED COURSES MEDICAL BIOLOGY 1 Light Microscope, Living and Non-living Cells- Dr. Aslan	Basic Concepts of Bioelectricity. Electric Field and potential, capacitance (Online) Dr. Pehlivan	DNA Role in Heredity: What Is the Evidence that the Gene is DNA? Dr. Aslan	Nucleus and Packing of Chromatin Dr. Tulay	Health in the evolutionary process of medicine (Online) Dr. Güvercin
11:30-12:20	APPLIED COURSES MEDICAL BIOLOGY 1 Light Microscope, Living and Non-living Cells- Dr. Aslan	FREE STUDY TIME	DNA Role in Heredity: What Is the Evidence that the Gene is DNA? Dr. Aslan	Nucleus and Packing of Chromatin Dr. Tulay	FREE STUDY TIME
13:30-14:20	Health Prevention and Promotion Dr. Tabuk	APPLIED COURSES BIOCHEM. 1 Introduction of laboratory materials and simple solution preparation methods Dr. L. Kayrın Dr. M. Özkoç	Aminoacides Dr. L. Kayrın	Functional Portions and Protein Traffic in Cells Dr. Tulay	APPLIED COURSES MEDICAL BIOLOGY 1 Light Microscope, Living and Non-living Cells- Dr. Aslan
14:30-15:20	Health Prevention and Promotion Dr. Tabuk	APPLIED COURSES BIOCHEM. 1 Introduction of laboratory materials and simple solution preparation methods Dr. L. Kayrın Dr. M. Özkoç	Aminoacides Dr. L. Kayrın	Functional Portions and Protein Traffic in Cells Dr. Tulay	APPLIED COURSES MEDICAL BIOLOGY 1 Light Microscope, Living and Non-living Cells- Dr. Aslan
15:30-16:20	Proteins Dr. Özkoç	APPLIED COURSES BIOCHEM. 1 Introduction of laboratory materials and simple solution preparation methods Dr. L. Kayrın Dr. M. Özkoç	FREE STUDY TIME	Functional Portions and Protein Traffic in Cells Dr. Tulay	APPLIED COURSES MEDICAL BIOLOGY 1 Light Microscope, Living and Non-living Cells- Dr. Aslan
16:30-17:20	Proteins Dr. Özkoç	APPLIED COURSES BIOCHEM. 1 Introduction of laboratory materials and simple solution preparation methods Dr. L. Kayrın Dr. M. Özkoç	FREE STUDY TIME	FREE STUDY TIME	APPLIED COURSES MEDICAL BIOLOGY 1 Light Microscope, Living and Non-living Cells- Dr. Aslan

4 th Week	11.06.2023 MONDAY	11.07.2023 TUESDAY	11.08.2023 WEDNESDAY	11.09.2023 THURSDAY	11.10.2023 FRIDAY
08:30-09:20	Carbonhydrates Dr. Özkoç	Enviromental Disease Concept and Types of Enviromental Exposure (Online) Dr. Ertem	Control of tobacco use (Online) Dr. Ertem	FREE STUDY TIME	Human diseases and inheritance pattern (Online) Dr. Ergün
09:30-10:20	Carbonhydrates Dr. Özkoç	Basic concepts of illness and health (Online) Dr. Ertem	Public Health vision and Health-Disease Concep (Online) Dr. Ertem	Nucleic Acids Dr. Özkoç	Human diseases and inheritance pattern (Online) Dr. Ergün
10:30-11:20	Vitamins Dr. Özkoç	Basic concepts of illness and health (Online) Dr. Ertem	Health Services (Online) Dr. Ertem	Nucleic Acids Dr. Özkoç	Chromosomes, aberrations and diseases (Online) Dr. Ergün
11:30-12:20	Vitamins Dr. Özkoç	FREE STUDY TIME	Primary Health Care Vision (Online) Dr. Ertem	FREE STUDY TIME	Chromosomes, aberrations and diseases (Online) Dr. Ergün
13:30-14:20		General structure of chromosomes and classification of human chromosomes Dr. Aslan	FREE STUDY TIME	Lipids Dr. L. Kayrın	FREE STUDY TIME
14:30-14:20		General structure of chromosomes and classification of human chromosomes Dr. Aslan	FREE STUDY TIME	Lipids Dr. L. Kayrın	FREE STUDY TIME
15:30-16:20		FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME
16:30-17:20		FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME

5 th Week	11.13.2023 MONDAY	11.14.2023 TUESDAY	11.15.2023 WEDNESDAY	11.16.2023 THURSDAY	11.17.2023 FRIDAY
08:30-09:20		FREE STUDY TIME	NATIONAL DAY	Public healthfield study-1 (first step) Dr. Ertem	Public healthfield study-3 (first step) Dr. Ertem
09:30-10:20		FREE STUDY TIME	NATIONAL DAY	Public healthfield study-1 (first step) Dr. Ertem	Public healthfield study-3 (first step) Dr. Ertem
10:30-11:20	Biyoenergetics Dr. L. Kayrın	Structure of Membrane Dr. M. Özkoç	NATIONAL DAY	Public healthfield study-1 (first step) Dr. Ertem	Public healthfield study-3 (first step) Dr. Ertem
11:30-12:20	Biyoenergetics Dr. L. Kayrın	Structure of Membrane Dr. M. Özkoç	NATIONAL DAY	Public healthfield study-1 (first step) Dr. Ertem	Public healthfield study-3 (first step) Dr. Ertem
13:30-14:20	Hypothesis of theFormation ofViability (Evolution) Dr. Erbil	Molecular genetics of human diseases (Online) Dr. Ergün	NATIONAL DAY	Public healthfield study-2 (first step) Dr. Ertem	Public healthfield study-4 (first step) Dr. Ertem
14:30-15:20	Molecular EvidenceforEvolution Dr. Erbil	Molecular genetics of human diseases (Online) Dr. Ergün	NATIONAL DAY	Public healthfield study-2 (first step) Dr. Ertem	Public healthfield study-4 (first step) Dr. Ertem
	FREE STUDY TIME	Genotype-phenotypecorrelations (Online) Dr. Ergün	NATIONAL DAY	Public healthfield study-2 (first step) Dr. Ertem	Public healthfield study-4 (first step) Dr. Ertem
16:30-17:20	FREE STUDY TIME	FREE STUDY TIME	NATIONAL DAY	Public healthfield study-2 (first step) Dr. Ertem	Public healthfield study-4 (first step) Dr. Ertem

6 th Week	11.20.2023 MONDAY	11.21.2023 TUESDAY	11.22.2023 WEDNESDAY	11.23.2023 THURSDAY	11.24.2023 FRIDAY
08:30-09:20	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME
09:30-10:20	Enzymes and enzymes Kinetics Dr. L. Kayrın	The Importance of Evolution in Medicine Dr. Erbil	Electric current, its effects, biological effects Dr. Pehlivan	FREE STUDY TIME	Variable currents, their effects Dr. Pehlivan
10:30-11:20	Enzymes and enzymes Kinetics Dr. L. Kayrın	The Emergence of the First Cell Dr. Erbil	Current in solutions, basic principles of electrophoresis Dr. Pehlivan	Population Genetics Dr. Ergören	Electrical-electronic circuit elements, their functions Dr. Pehlivan
11:30-12:20	Regulation of Enzyme Activity Dr. L. Kayrın	Endosymbiosis and Eukaryotic Cell Development Dr. Erbil	FREE STUDY TIME	Population Genetics Dr. Ergören	FREE STUDY TIME
13:30-14:20	APPLIED COURSES MEDICAL BIOLOGY 2 Peripheral blood cell culture assay, chromosome capture, chromosome staining and banding techniques Dr. Aslan	APPLIED COURSES MEDICAL BIOLOGY 2 Peripheral blood cell culture assay, chromosome capture, chromosome staining and banding techniques Dr. Aslan	APPLIED COURSES BIOCHEM. 2 Spectrophotometric measurement principles Anabilim Dalı Öğretim Üyeleri	Mendelian - Non-Mendelian Inheritance Dr. Ergören	APPLIED COURSES BIOCHEM. 2 Spectrophotometric measurement principles Anabilim Dalı Öğretim Üyeleri
14:30-15:20	APPLIED COURSES MEDICAL BIOLOGY 2 Peripheral blood cell culture assay, chromosome capture, chromosome staining and banding techniques Dr. Aslan	APPLIED COURSES MEDICAL BIOLOGY 2 Peripheral blood cell culture assay, chromosome capture, chromosome staining and banding techniques Dr. Aslan	APPLIED COURSES BIOCHEM. 2 Spectrophotometric measurement principles Anabilim Dalı Öğretim Üyeleri	Mendelian - Non-Mendelian Inheritance Dr. Ergören	APPLIED COURSES BIOCHEM. 2 Spectrophotometric measurement principles Anabilim Dalı Öğretim Üyeleri
15:30-16:20	APPLIED COURSES MEDICAL BIOLOGY 2 Peripheral blood cell culture assay, chromosome capture, chromosome staining and banding techniques Dr. Aslan	APPLIED COURSES MEDICAL BIOLOGY 2 Peripheral blood cell culture assay, chromosome capture, chromosome staining and banding techniques Dr. Aslan	APPLIED COURSES BIOCHEM. 2 Spectrophotometric measurement principles Anabilim Dalı Öğretim Üyeleri	Molecular mechanisms underlying the mitosis-meiosis Dr. Ergören	APPLIED COURSES BIOCHEM. 2 Spectrophotometric measurement principles Anabilim Dalı Öğretim Üyeleri
16:30-17:20	APPLIED COURSES MEDICAL BIOLOGY 2 Peripheral blood cell culture assay, chromosome capture, chromosome staining and banding techniques Dr. Aslan	APPLIED COURSES MEDICAL BIOLOGY 2 Peripheral blood cell culture assay, chromosome capture, chromosome staining and banding techniques Dr. Aslan	APPLIED COURSES BIOCHEM. 2 Spectrophotometric measurement principles Anabilim Dalı Öğretim Üyeleri	Molecular mechanisms underlying the mitosis-meiosis Dr. Ergören	APPLIED COURSES BIOCHEM. 2 Spectrophotometric measurement principles Anabilim Dalı Öğretim Üyeleri

7 th Week	11.27.2023 MONDAY	11.28.2023 TUESDAY	11.29.2023 WEDNESDAY	11.30.2023 THURSDAY	12.01.2023 FRIDAY	
08:30-09:20	APPLIED COURSES M.BIOLOGY 3 Karyotype and Pedigree chart Dr. Aslan	APPLIED COURSES BIOCHEM 3 Factors affecting enzyme kinetics Anabilim Dalı Öğretim Üyeleri	PRACTICAL EXAM	PRACTICAL EXAM	PHASE I COMMITTEE 1 THEORETICAL EXAM	
09:30-10:20	APPLIED COURSES M.BIOLOGY 3 Karyotype and Pedigree chart Dr. Aslan	APPLIED COURSES BIOCHEM 3 Factors affecting enzyme kinetics Anabilim Dalı Öğretim Üyeleri	PRACTICAL EXAM	PRACTICAL EXAM		
10:30-11:20	APPLIED COURSES M.BIOLOGY 3 Karyotype and Pedigree chart Dr. Aslan	APPLIED COURSES BIOCHEM 3 Factors affecting enzyme kinetics Anabilim Dalı Öğretim Üyeleri	PRACTICAL EXAM	PRACTICAL EXAM		
11:30-12:20	APPLIED COURSES M.BIOLOGY 3 Karyotype and Pedigree chart Dr. Aslan	APPLIED COURSES BIOCHEM 3 Factors affecting enzyme kinetics Anabilim Dalı Öğretim Üyeleri	PRACTICAL EXAM	PRACTICAL EXAM		
13:30-14:20	APPLIED COURSES M.BIOLOGY 3 Karyotype and Pedigree chart Dr. Aslan	APPLIED COURSES BIOCHEM 3 Factors affecting enzyme kinetics Anabilim Dalı Öğretim Üyeleri	PRACTICAL EXAM	PRACTICAL EXAM		FREE STUDY TIME
14:30-15:20	APPLIED COURSES M.BIOLOGY 3 Karyotype and Pedigree chart Dr. Aslan	APPLIED COURSES BIOCHEM 3 Factors affecting enzyme kinetics Anabilim Dalı Öğretim Üyeleri	PRACTICAL EXAM	PRACTICAL EXAM		FREE STUDY TIME
15:30-16:20	APPLIED COURSES M.BIOLOGY 3 Karyotype and Pedigree chart Dr. Aslan	APPLIED COURSES BIOCHEM 3 Factors affecting enzyme kinetics Anabilim Dalı Öğretim Üyeleri	PRACTICAL EXAM	PRACTICAL EXAM		FREE STUDY TIME
16:30-17:20	APPLIED COURSES M.BIOLOGY 3 Karyotype and Pedigree chart Dr. Aslan	APPLIED COURSES BIOCHEM 3 Factors affecting enzyme kinetics Anabilim Dalı Öğretim Üyeleri	PRACTICAL EXAM	PRACTICAL EXAM		FREE STUDY TIME

