



CALENDAR AND THEMATIC PLAN OF LECTURES
 from the educational component
"Biology and Fundamentals of Genetics" for the 1st year
 specialties 226 Pharmacy, industrial pharmacy,
 specialization 226.01 Pharmacy
 EP "Pharmacy", ΦΜ23(4,10Δ) ΑΗΓΛ-01
 (Spring semester, 2023–2024 academic year)

№	Date	Lesson Name	Volume in hours	Lecturer
MODULE 1. Biology and Fundamentals of Genetics				
1.	14.02.2024	Introduction to biology.	2	Assistant prof. Galyzinskaya L.V.
2.	21.02.2024	Cell membranes. Organelles of eukaryotic cell.	2	Assistant prof. Galyzinskaya L.V.
3.	28.02.2024	Hereditary material organization.	2	Assistant prof. Galyzinskaya L.V.
4.	06.03.2024	Mitosis and meiosis. Cell cycle regulation	2	Assistant prof. Galyzinskaya L.V.
5.	20.03.2024	Human life cycle: postembryonic period.	2	Assistant prof. Galyzinskaya L.V.
6.	27.03.2024	Basic morphophysiological characteristics and stages of ontogenesis. Critical	2	Assistant prof. Galyzinskaya L.V.
7.	03.04.2024	Introduction to human genetics.	2	Assistant prof. Galyzinskaya L.V.
8.	10.04.2024	Introduction to medical parasitology. Parasitic protozoa.	2	Assistant prof. Galyzinskaya L.V.
9.	17.04.2024	Helminths: general characteristics, classification, medical importance.	2	Assistant prof. Galyzinskaya L.V.
Total:			18	

Note: the lecture take place on Wednesday from 10:25 to 12:05 online.

Head of the Department of Biological
Chemistry and Veterinary Medicine,
professor

Vira KRAVCHENKO



CALENDAR-THEMATIC PLAN OF PRACTICAL LESSONS

from the educational component

"**Biology and Fundamentals of Genetics**" for the 1st year
specialties 226 Pharmacy, industrial pharmacy,

specialization 226.01 Pharmacy

EP "Pharmacy", ΦΜ23(4,10Δ) αηΓΛ-01

(Spring semester, 2023–2024 academic year)

№	Date	Lesson Name	Volume in hour	Knowledge Assessment System, points	
				min	max
CONTENT MODULE 1.					
BIOLOGICAL FEATURES OF HUMAN LIFE. BIOLOGY OF INDIVIDUAL DEVELOPMENT					
1	23.02.2024	Introduction to biology. Basic methods of biological research. The cell is the main structural and functional unit of living things. Elemental and chemical composition of the cell.	4	4	8
2	08.03.2024	Biomembranes: structure and functions. Types of membrane transport. Asexual and sexual reproduction. Cell cycle. Mitosis.	4	4	8
3	22.03.2024	Sex cells. Meiosis. Gametogenesis. Biological features of human reproduction. Fertilization. Methods of contraception.	4	4	8
4	05.04.2024	Basic morphophysiological characteristics and stages of ontogenesis. Critical periods of development. Basics of gerontology and geriatrics. Old age as a stage of ontogenesis. Theories of aging.	3	4	8
		<i>Final test of CM 1 assimilation</i>	1	14	18
<i>Total from CM 1:</i>				30	50
CONTENT MODULE 2.					
BASICS OF HUMAN GENETICS. BASICS OF MEDICAL PARASITOLOGY.					
5	19.04.2024	Introduction to genetics, basic concepts. Independent inheritance of genes. Methods of genetic research.	4	3	6
6	03.05.2024	Linked inheritance. Gender genetics. Theory of gender determination. Variability. Hereditary human diseases.	4	3	6
7	17.05.2024	Biological bases of parasitism and parasitic invasions in humans.	4	3	6
8	31.05.2024	Medical protozoology.	4	3	6
9	14.06.2024	Medical helminthology. Medical arachnoentomology.	4	3	6
10	19.06.2024	<i>Final test of CM 2 assimilation</i>	3	15	20
		Semester credit of the module "Biology and Fundamentals of Genetics"	1		
Total from CM 2:				30	50
TOTAL RATING FOR MODULE 1			40	60	100

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