

Lecture plan
In the discipline BIOLOGY for first-year students in the specialty
31.05.01- General medicine for the 2026/2027 academic year

#	Topic	Watch
I semester		
1.	Structure of nucleic acids. The genetic code.	2
2.	DNA synthesis, realization of hereditary information	2
3.	Molecular diagnostics of hereditary pathologies	2
4.	Interaction of allelic and non-allelic genes.	2
5.	Chromosomal theory. Karyotyping	2
6.	Genetics of sex.	2
7.	Variability of organisms. Mutational variability.	2
8.	Human genetics. Study methods	2
9.	Fundamentals of medical parasitology	2
II semester		
10.	General characteristics of flatworms. Flukes	2
11.	General characteristics of flatworms. Tapeworms	2
12.	General characteristics of the Type Roundworms	2
13.	General characteristics of Protozoa	2
14.	General characteristics of the Type Arthropods	2
15.	Ecosystems (Concept, properties, structure, features of ecosystems created by humans)	2
16.	The position of man in the animal world system. Modern concepts of anthropogenesis.	2
Total:		32