

Lecture lesson plan
In the discipline BIOLOGY for first year students in the specialty
31.05.01 - general medicine for the 2024/2025 academic year

№	Topic	Hours
I semester		
1.	Structure of nucleic acids. Genetic code.	2
2.	DNA synthesis, implementation of hereditary information	2
3.	Molecular diagnostics of hereditary pathologies	2
4.	Interaction of allelic and non-allelic genes.	2
5.	Chromosome 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	
II semester		
10.	General characteristics of the Type Flatworms. Class Flukes	2
11.	General characteristics of the Type Flatworms. Class Tapeworms	2
12.	General characteristics of the Type Roundworms	2
13.	General characteristics of the Type Protozoa. Classification. General characteristics. Medical significance	2
14.	General characteristics of the Type Arthropods	2
15.	Ecosystems (Concept, properties, structure, features of ecosystems created by man)	2
16.	The position of man in the animal world. Modern ideas about anthropogenesis.	2
17.	Human population genetics	2
Hours		34