

THEMATIC PLAN

*LABORATORY CLASSES on the course of BIOORGANIC CHEMISTRY
for the students of the 1st course of FIS
in the 2nd semester of the 2024 – 2025 academic year*

Number of class	Date of class	Topic of the class	Number of hours
1	10.02-15.02	Introduction into bioorganic chemistry. Classification and nomenclature of organic compounds	3
2	17.02-22.02	Spatial structure of organic molecules and stereoisomerism	3
3	24.02-01.03	Chemical bonding and mutual influence of atoms in an organic molecule	3
4	03.03-08.03	Reactivity of hydrocarbons	3
5	10.03-15.03	Acid-base properties of organic compounds. Reactivity of alcohols, phenols, thiols, amines	3
6	17.03-22.03	Control test No. 1 on the topic "Reactivity of hydrocarbons and acid-base properties of organic compounds"	3
7	24.03-29.03	Reactivity of aldehydes and ketones	3
8	31.03-05.04	Reactivity of carboxylic acids and their functional derivatives	3
9	07.04-12.04	Poly- and heterofunctional compounds involved in the processes of vital activity and underlying the most important groups of medicines	3
10	14.04-19.04	Biologically active heterocyclic compounds	3
11	21.04-26.04	Saponifiable lipids	3
12	28.04-03.05	Structure and properties of monosaccharides	3
13	05.05-10.05	Di-, oligo- and polysaccharides	3
14	12.05-17.05	Amino acids	3
15	19.05-24.05	Peptides and proteins	3
16	26.05-31.05	Nucleic acids	3
17	02.06-07.06	Control test No. 2 on the topic "Biopolymers and their structural components. Saponifiable lipids"	3
18	09.06-14.06	Low molecular weight bioregulators	3
		That will be	54

Laboratory classes are held in classrooms 41, 41a, 44 of the academic building No. 2 (Biletskogo street, 11a).

Head of the Department

E.G. Tyulkova