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 2026 – 2027 academic year

Number of class	Date of class	Topic of the class	Number of hours
1	***01.09-05.09***	Introduction into bioorganic chemistry. Classification and nomenclature of organic compounds	***3***
2	***07.09-12.09***	Spatial structure of organic molecules and stereoisomerism	***3***
3	***14.09-19.09***	Chemical bonding and mutual influence of atoms in an organic molecule	***3***
4	***21.09-26.09***	Reactivity of hydrocarbons	***3***
5	***28.09-03.10***	Acid-base properties of organic compounds. Reactivity of alcohols, phenols, thiols, amines	***3***
6	***05.10-10.10***	Control test No. 1 on the topic "Reactivity of hydrocarbons and acid-base properties of organic compounds"	***3***
7	***12.10-17.10***	Reactivity of aldehydes and ketones	***3***
8	***19.10-24.10***	Reactivity of carboxylic acids and their functional derivatives	***3***
9	***26.10-31.10***	Poly- and heterofunctional compounds involved in the processes of vital activity and underlying the most important groups of medicines	***3***
10	***02.11-07.11***	Biologically active heterocyclic compounds	***3***
11	***09.11-14.11***	Saponifiable lipids	***3***
12	***16.11-21.11***	Structure and properties of monosaccharides	***3***
13	***23.11-28.11***	Di-, oligo- and polysaccharides	***3***
14	***30.11-05.12***	Amino acids	***3***
15	***07.12-12.12***	Peptides and proteins	***3***
16	***14.12-19.12***	Nucleic acids	***3***
17	***21.12-26.12***	Control test No. 2 on the topic "Biopolymers and their structural components. Saponifiable lipids"	***3***
18	***28.12-02.01***	Low molecular weight bioregulators	***3***
		That will be	***54***

Laboratory classes are held in classrooms 39, 44 of the academic building No. 2 (Biletskogo street, 11a).

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