

Thematic plan  
of laboratory classes on the course «Bioorganic chemistry»  
for the 1<sup>st</sup> year international students  
Gomel State Medical University  
in the 2<sup>st</sup> semester of the 2025-2026 academic year

Number of class	Date	Topic of the class	Number of hours
1	09.02-14.02	Introduction into bioorganic chemistry. Classification and nomenclature of organic compounds	3
2	16.02-21.02	Spatial structure of organic molecules	3
3	23.02-28.02	Chemical bonding and mutual influence of atoms in an organic molecule	3
4	02.03-07.03	Reactivity of hydrocarbons	3
5	09.03-14.03	Acid-base properties of organic compounds. Reactivity of alcohols, phenols, thiols, amines	3
6	16.03-21.03	Control test № 1 «Reactivity of organic compounds. Acidity and basicity of organic compounds»	3
7	23.03-28.03	Reactivity of aldehydes and ketones	3
8	30.03-04.04	Reactivity of carboxylic acids and their functional derivatives	3
9	06.04-11.04	Poly- and heterofunctional compounds involved in the processes of vital activity and underlying the most important groups of medicines	3
10	13.04-18.04	Biologically active heterocyclic compounds	3
11	20.04-25.04	Saponifiable lipids	3
12	27.04-02.05	Structure and properties of monosaccharides	3
13	04.05-09.05	Di-, oligo- and polysaccharides	3
14	11.05-16.05	Amino acids	3
15	18.05-23.05	Peptides and proteins	3
16	25.05-30.05	Nucleic acids	3
17	01.06-06.06	Control test № 2 «Biopolymers and their structural components. Saponifiable lipids»	3
18	08.06-13.06	Low molecular weight bioregulators	3
		That will be	54

Head of the department

E.G. Tulkova