

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 2023-2024 academic year

Number of class	Date	Topic of the class	Number of hours
1	12.02-17.02	Introduction into bioorganic chemistry. Classification and nomenclature of organic compounds	3
2	19.02-24.02	Spatial structure of organic molecules	3
3	26.02-02.03	Chemical bonding and mutual influence of atoms in an organic molecule	3
4	04.03-09.03	Reactivity of hydrocarbons	3
5	11.03-16.03	Acid-base properties of organic compounds. Reactivity of alcohols, phenols, thiols, amines	3
6	18.03-23.03	Control test № 1 «Reactivity of organic compounds. Acidity and basicity of organic compounds»	3
7	25.03-30.03	Reactivity of aldehydes and ketones	3
8	01.04-06.04	Reactivity of carboxylic acids and their functional derivatives	3
9	08.04-13.04	Poly- and heterofunctional compounds involved in the processes of vital activity and underlying the most important groups of medicines	3
10	15.04-20.04	Biologically active heterocyclic compounds	3
11	22.04-27.04	Saponifiable lipids	3
12	29.04-04.05	Structure and properties of monosaccharides	3
13	06.05-11.05	Di-, oligo- and polysaccharides	3
14	13.05-18.05	Amino acids	3
15	20.05-25.05	Peptides and proteins	3
16	27.05-01.06	Nucleic acids	3
17	03.06-08.06	Control test № 2 «Biopolymers and their structural components. Saponifiable lipids»	3
18	10.06-15.06	Low molecular weight bioregulators	3
		That will be	54

Head of the department

E.G. Tulkova