

*Approved*  
*Vice-Chancellor for Academic Affairs*  
*Prof. Guminsky U.I.* \_\_\_\_\_  
*Date* \_\_\_\_\_ *2017*

***THEMATIC–CALENDAR PLAN  
OF LECTURES  
FROM BIOORGANIC CHEMISTRY***

***For I-st Year Foreign Students of the Dental Faculty  
2017 year, Semester II***

<b><i>Nº</i></b>	<b><i>Theme of lectures</i></b>	<b><i>Lecturer</i></b>	<b><i>Date</i></b>	<b><i>Hours</i></b>
<b><i>1</i></b>	Basis of the structure and reaction ability of biologically active compounds.	Assistant Shunkov V. S.	25.01.17	2
<b><i>2</i></b>	Reaction ability of hydrocarbons and their derivatives.	Assistant Shunkov V. S.	8.02.17	2
<b><i>3</i></b>	Carbonyl compounds. Lipids.	Assistant Shunkov V. S.	22.02.17	2
<b><i>4</i></b>	Amino acids, peptides, proteins: structure, chemical properties, biological role.	Assistant Shunkov V. S.	8.03.17	2
<b><i>5</i></b>	Carbohydrates: structure, chemical properties, biological role.	Assistant Shunkov V. S.	22.03.17	2

***Head of the Biological and General  
Chemistry Department***

***d.med.s., docent Zaichko N.V.***

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**THEMATIC–CALENDAR PLAN  
 OF PRACTICAL LESSONS  
 FROM BIOORGANIC CHEMISTRY**

*For I-st Year Foreign Students of the Dental Faculty  
 2017 year, Semester II*

<i>Nº</i>	<i>Theme of the practical lessons</i>	<i>Weeks</i>	<i>Hours</i>
<b><i>Content module 1</i></b>			
1	Nomenclature, nature of chemical bonds in organic compounds.	16.01-20.01	2
2	Isomerism in organic compounds.	23.01-27.01	2
3	Electronic effects. Acidity and basicity of organic compounds.	30.01-03.02	2
4	Reaction ability of alkanes, alkenes, arenes.	06.02-10.02	2
5	Reaction ability of aldehydes and ketones.	13.02-17.02	
6	Reaction ability and biological meaning of carboxylic acids.	20.02-24.02	2
7	Reaction ability and biological meaning of oxy- and oxoacids.	27.02-03.03	2
8	HFA. Lipids. Phosphoglycerides.	06.03-10.03	2
<b><i>Content module 2</i></b>			
9	Structure and chemical properties of $\alpha$ - amino acids.	13.03-17.03	2
10	Physical-chemical properties of proteins. Structure organization of proteins.	20.03-24.03	2
<b><i>Content module 3</i></b>			
11	Monosaccharides, structure and chemical properties.	27.03-31.03	2
12	Oligo- and polysaccharides, structure and chemical properties.	03.04-07.04	2
<b><i>Content module 4</i></b>			
13	Heterocyclic compounds, classification, structure, chemical properties. Nucleic acids, structure, biological role.	10.04-14.04	2
14	Practical skills. The final module of Bioorganic chemistry	17.04-21.04	2

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