

**Thematic plan for independent work of a student  
in discipline «Biochemistry»  
for students of 2024 year of admission  
under the educational programme  
31.05.01 General medicine,  
specialisation (profile) General medicine  
(Specialist's degree),  
form of study full-time  
for the 2025 -2025 academic year**

<b>№</b>	<b>Topic of independent work</b>	<b>Hours (academic)</b>
<b>second semester</b>		
<b>Selected questions of biochemistry:</b>		
<b>1</b>	<b>Methods of isolation and purification of individual proteins</b>	<b>5</b>
<b>2</b>	<b>Hereditary disorders of carbohydrate metabolism</b>	<b>5</b>
<b>3</b>	<b>Transport of lipids. Disorders of lipoprotein metabolism</b>	<b>6</b>
	<b>Total</b>	<b>16</b>
	<b>Independent work control</b>	<b>2</b>
<b>third semester</b>		
<b>Selected questions of biochemistry:</b>		
<b>1</b>	<b>Oxidative stress.</b>	<b>13</b>
<b>2</b>	<b>Inhibitors of matrix biosynthesis. Antibiotics and toxins.</b>	<b>13</b>
<b>3</b>	<b>Features of leukocyte metabolism.</b>	<b>15</b>
	<b>Total</b>	<b>41</b>
	<b>Independent work control</b>	<b>2</b>
	<b>Total independent work</b>	<b>57</b>
	<b>Total independent work control</b>	<b>4</b>

Considered at the department meeting fundamental and clinical biochemistry, protocol of «29»  
may 2025 y., № 12.

Head of the Department of Basic  
and Clinical Biochemistry

O.V. Ostrovskij.