



**CALENDAR-THEMATIC PLAN OF LECTURES**  
**Functional Biochemistry for 3-d course of study full-time form of education**  
**in specialty 226 Pharmacy, Industrial Pharmacy**  
**(Language of instructions – English)**  
**ΦΜ21ΑΗΓΛ-01-07, autumn semester, 2023-2024 a.y.**

№	Date	Lesson Name	Volume in hours	Lecturer
<b>MODULE 1. FUNCTIONAL BIOCHEMISTRY</b>				
1.	08.09.2023	Introduction to the Functional biochemistry. Nutrition, digestion and absorption.	1	ass.prof. Seniuk I.V.
2.	15.09.2023	Functional biochemistry of blood.	2	ass.prof. Seniuk I.V.
3.	29.09.2023	Functional biochemistry of liver.	2	ass.prof. Seniuk I.V.
4.	13.10.2023	Functional biochemistry of the kidneys and urine formation.	2	ass.prof. Seniuk I.V.
5.	27.10.2023	Functional biochemistry of muscle tissue. Functional biochemistry of connective tissue.	2	ass.prof. Seniuk I.V.
<b>Total:</b>			9	

*Note:* the lecture take place on Friday from 10:25 to 12:05 online; 08.09.2023 from 09.25 to 10:10 online.

Head of the Department of Biological Chemistry  
and Veterinary Medicine, professor

Vira KRAVCHENKO



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OF PRACTICAL LESSONS**  
**Functional Biochemistry for 3-d course of study full-time form of education  
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**ΦΜ21ΑΗΓΛ-01-02, autumn semester, 2023-2024 a.y.**

№	Date	Lesson Name	Volume in hours	Knowledge Assessment System, points	
				min	max
<b>CONTENT MODULE 1. FUNCTIONAL BIOCHEMISTRY OF THE GASTROINTESTINAL TRACT AND BLOOD</b>					
1.	12.09.2023	Introduction to the Functional biochemistry. Nutrition, digestion and absorption.	3	8	10
2.	19.09.2023	Functional biochemistry of blood.	3	8	10
3.	26.09.2023	Functional biochemistry of liver.	3	8	10
		Final test of CM 1 assimilation		10	25
<b>Total from CM 1:</b>				<b>34</b>	<b>55</b>
<b>CONTENT MODULE 2. FUNCTIONAL BIOCHEMISTRY OF THE EXCRETORY SYSTEM, MUSCLE AND CONNECTIVE TISSUE</b>					
4.	03.10.2023	Functional biochemistry of the kidneys and urine formation.	3	8	10
5.	10.10.2023	Functional biochemistry of muscle tissue.	3	4	5
6..	17.10.2023	Functional biochemistry of connective tissue.	3	4	5
7.	24.10.2023	Final test of CM 2 assimilation	2	10	25
		<i>Semester credit of the module: "Functional Biochemistry "</i>	1		
<b>Total from CM 2:</b>				<b>26</b>	<b>45</b>
<b>TOTAL RATING FOR MODULE 1:</b>			<b>21</b>	<b>60</b>	<b>100</b>

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**ΦΜ21ΑΗΓΛ-03-04, autumn semester, 2023-2024 a.y.**

№	Date	Lesson Name	Volume in hours	Knowledge Assessment System, points	
				min	max
<b>CONTENT MODULE 1. FUNCTIONAL BIOCHEMISTRY OF THE GASTROINTESTINAL TRACT AND BLOOD</b>					
1.	13.09.2023	Introduction to the Functional biochemistry. Nutrition, digestion and absorption.	3	8	10
2.	20.09.2023	Functional biochemistry of blood.	3	8	10
3.	27.09.2023	Functional biochemistry of liver.	3	8	10
		Final test of CM 1 assimilation		10	25
<b>Total from CM 1:</b>				<b>34</b>	<b>55</b>
<b>CONTENT MODULE 2. FUNCTIONAL BIOCHEMISTRY OF THE EXCRETORY SYSTEM, MUSCLE AND CONNECTIVE TISSUE</b>					
4.	04.10.2023	Functional biochemistry of the kidneys and urine formation.	3	8	10
5.	11.10.2023	Functional biochemistry of muscle tissue.	3		
6..	18.10.2023	Functional biochemistry of connective tissue.	3	8	10
7.	25.10.2023	Final test of CM 2 assimilation	2	10	25
		<i>Semester credit of the module: "Functional Biochemistry "</i>	1		
<b>Total from CM 2:</b>				<b>26</b>	<b>45</b>
<b>TOTAL RATING FOR MODULE 1:</b>			<b>21</b>	<b>60</b>	<b>100</b>

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**ΦΜ21ΑΗΓΛ-05-06, autumn semester, 2023-2024 a.y.**

№	Date	Lesson Name	Volume in hours	Knowledge Assessment System, points	
				min	max
<b>CONTENT MODULE 1. FUNCTIONAL BIOCHEMISTRY OF THE GASTROINTESTINAL TRACT AND BLOOD</b>					
1.	14.09.2023	Introduction to the Functional biochemistry. Nutrition, digestion and absorption.	3	8	10
2.	21.09.2023	Functional biochemistry of blood.	3	8	10
3.	28.09.2023	Functional biochemistry of liver.	3	8	10
		Final test of CM 1 assimilation		10	25
<b>Total from CM 1:</b>				<b>34</b>	<b>55</b>
<b>CONTENT MODULE 2. FUNCTIONAL BIOCHEMISTRY OF THE EXCRETORY SYSTEM, MUSCLE AND CONNECTIVE TISSUE</b>					
4.	05.10.2023	Functional biochemistry of the kidneys and urine formation.	3	8	10
5.	12.10.2023	Functional biochemistry of muscle tissue.	3		
6..	19.10.2023	Functional biochemistry of connective tissue.	3	8	10
7.	26.10.2023	Final test of CM 2 assimilation	2	10	25
		<i>Semester credit of the module: "Functional Biochemistry "</i>	1		
<b>Total from CM 2:</b>				<b>26</b>	<b>45</b>
<b>TOTAL RATING FOR MODULE 1:</b>			<b>21</b>	<b>60</b>	<b>100</b>

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**ΦΜ21αΗΓΛ-07, autumn semester, 2023-2024 a.y.**

№	Date	Lesson Name	Volume in hours	Knowledge Assessment System, points	
				min	max
<b>CONTENT MODULE 1. FUNCTIONAL BIOCHEMISTRY OF THE GASTROINTESTINAL TRACT AND BLOOD</b>					
1.	11.09.2023	Introduction to the Functional biochemistry. Nutrition, digestion and absorption.	3	8	10
2.	18.09.2023	Functional biochemistry of blood.	3	8	10
3.	25.09.2023	Functional biochemistry of liver.	3	8	10
		Final test of CM 1 assimilation		10	25
<b>Total from CM 1:</b>				<b>34</b>	<b>55</b>
<b>CONTENT MODULE 2. FUNCTIONAL BIOCHEMISTRY OF THE EXCRETORY SYSTEM, MUSCLE AND CONNECTIVE TISSUE</b>					
4.	02.10.2023	Functional biochemistry of the kidneys and urine formation.	3	8	10
5.	09.10.2023	Functional biochemistry of muscle tissue.	3		
6..	16.10.2023	Functional biochemistry of connective tissue.	3	8	10
7.	23.10.2023	Final test of CM 2 assimilation	2	10	25
		<i>Semester credit of the module: "Functional Biochemistry "</i>	1		
<b>Total from CM 2:</b>				<b>26</b>	<b>45</b>
<b>TOTAL RATING FOR MODULE 1:</b>			<b>21</b>	<b>60</b>	<b>100</b>

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