



Discussed and approved at the meeting of the  
Department of Pharmaceutical and Toxicological Chemistry  
Minutes Nr. 7 of 31.01.2025  
Head of chair PhD, professor

 **Vladimir Valica**

**Calendar Plan**  
**of the lectures at the discipline «Pharmaceutical chemistry, IV year»,**  
**VIII<sup>th</sup> semester, 2024-2025 academic year**

<i>Nr.</i>	<i>Date</i>	<i>Hours</i>	<i>Theme</i>
1.	03–07.02.2025	2	Drug substances with action on the cardiovascular system: antihypertensive drugs. Classification. General characteristic. Correlation between chemical structure and biological action.
2.	10–14.02.2025	2	Drug substances with action on the cardiovascular system: vasodilators. General characteristic. Correlation between chemical structure and biological action.
3.	17–21.02.2025	2	Drug substances with an effect on the cardiovascular system: diuretics. General characteristic. Correlation between chemical structure and biological action.
4.	24–28.02.2025	2	Drug substances with an action on the cardiovascular system: normolipemians. General characteristic.
5.	03–07.03.2025	2	Drug substances acting on the blood: anticoagulants, antihemorrhagics, antivaricose medication. General characteristic. Correlation between chemical structure and biological action.
6-7.	10–21.03.2025	4	Drug substances - hormones and hormone mimetics: thyroid hormones, hypoglycemic medication, sex hormones and modulators of the genital system. Classification. General characteristic. Correlation between chemical structure and biological action.
8-9.	24.03–04.04.2025	4	Drug substances - vitamins and analogues. Classification. General characteristic. Correlation between chemical structure and biological action.
10-11.	07–18.04.2025	4	Drug substances - medicines with an effect on the respiratory system: antitussives, mucolytic medicines, antiasthmatic medicines, respiratory analeptics. Classification. General characteristic. Correlation between chemical structure and biological action.
12-13.	29.04–09.05.2025	4	Drug substances - medicines with an action on the digestive system: proton pump inhibitors, antiemetics (antiemetics), antiflatulents, antidiarrheals. Classification. General characteristic. Correlation between chemical structure and biological action.
14-15.	12–23.05.2025	2	Drug substances – iodinated contrast agents. Medicinal substances - with the action on uric acid metabolism. Classification. General characteristic.

Associate professor



**Tatiana Treapițina**



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 **Vladimir Valica**

**Calendar Plan**  
**of the laboratory lessons at the discipline «Pharmaceutical chemistry, IV year»,**  
**VIII<sup>th</sup> semester, 2024-2025 academic year**

<i>Nr.</i>	<i>Date</i>	<i>Hours</i>	<i>Theme</i>
<b>1-2.</b>	03–14.02.2025	6	Drug substances with an action on the cardiovascular system: cardiac tonics, antiarrhythmics, antianginal drugs, antihypertensive drugs. General characteristic. Classification. Methods of analysis.
<b>3.</b>	17–21.02.2025	3	Drug substances with an action on the cardiovascular system: vasodilators. General characteristic. Methods of analysis.
<b>4.</b>	24–28.02.2025	3	Drug substances with an effect on the cardiovascular system: diuretics. General characteristic. Methods of analysis.
<b>5.</b>	03–07.03.2025	3	Drug substances with an action on the cardiovascular system: normolipemians. General characteristics of the group and methods of analysis.
<b>6.</b>	10–14.03.2025	3	<i>Control assessment.</i>
<b>7.</b>	17–21.03.2025	3	Drug substances acting on the blood: anticoagulants, antihemorrhagics, antivaricose medication. General characteristic. Methods of analysis.
<b>8-9.</b>	24.03–04.04.2025	6	Drug substances - hormones and hormone mimetics: thyroid hormones, hypoglycemic medication, sex hormones and modulators of the genital system. General characteristic. Methods of analysis.
<b>10-11.</b>	07–18.04.2025	6	Drug substances - vitamins and analogues. General characteristic. Methods of analysis.
<b>12.</b>	29.04–02.05.2025	3	Drug substances - medicines with an effect on the respiratory system: antitussives, mucolytic medicines, antiasthmatic medicines, respiratory analeptics. General characteristic. Methods of analysis.
<b>13.</b>	05–09.05.2025	3	Drug substances - medicines with an action on the digestive system: proton pump inhibitors, antiemetics (antiemetics), antiflatulents, antidiarrheals. General characteristic. Methods of analysis. <i>Control assessment.</i>
<b>14-15.</b>	12–23.05.2025	6	<b><i>Attestation of practical skills.</i></b>



Catedra de **Chimie farmaceutică și toxicologică**  
**09.3.1-11**  
**Planuri tematice și calendaristice ale cursurilor și lucrărilor practice**

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**Associate professor**

**Tatiana Treapițna**