



Department of Pharmaceutical and Toxicological Chemistry
09.3.1-11
Thematic and calendar plans of courses and practical work

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Approved at the department meeting
Minutes nr. 7 of 31.01.2025
Head of Department, PhD in Pharm. Science, University Professor

 Vladimir Valica

**Calendar plan
of the courses in "Medical Chemistry", V year, X semester,
academic year 2024-2025**

No. yes/no	Date	No. of hours	Subject
1.	14.01.2025	2	Biological medicines. Particularities of obtaining and control.
2.	15.01.2025	2	Biological hormonal preparations. Preparations from animal extracts.
3.	16.01.2025	2	Drugs used in hemorrhagic diseases. Blood and blood products.
4.	17.01.2025	2	Vaccines. Immunoprophylaxis and immunotherapy. Immunoglobulins, monoclonal antibodies.
5.	01/21/2025	2	Hormonal and fermentative biological preparations. Insulin. Pancreatin.
6.	01/22/2025	2	Gonadotropins, bifidobacteria. Biological role, methods of obtaining, pharmaceutical products.
7.	01/23/2025	2	Drug interactions. Classification, mechanisms. Drug-drug interactions <i>in vitro</i> and <i>in vivo</i> . Principles. Examples.
8.	01/24/2025	1	Drug interactions with food, dietary supplements, medicinal plants, alcohol, tobacco.

Associate Professor



Livia Uncu



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Minutes nr. 7 of 31.01.2025
Head of Department, PhD in Pharm. Science, University Professor*

 **Vladimir Valica**

**Calendar plan
of laboratory work in "Medical Chemistry", V year, X semester,
academic year 2024-2025**

<i>No. yes/n o</i>	<i>Date</i>	<i>No. of hours</i>	<i>Subject</i>
1.	03-07.02.2025	2	Biological, biosimilar and biosuperior medicines. Principles, advantages. Risks and perspectives. Medicines used in bleeding diseases. Blood and blood products.
2-3.	10-21.02.2025	4	Vaccines. Immunoprophylaxis and immunotherapy. Immunoglobulins, monoclonal antibodies. Hormonal and fermentative biological preparations. Insulin. Pancreatin. Gonadotropins, bifidobacteria. Biological role, methods of obtaining, pharmaceutical products.
4.	24-28.02.2025	2	<i>Practical totalization work.</i>
5-7.	03-21.03.2025	6	Drug interactions. Classification, mechanisms. Drug-drug interactions <i>in vitro</i> and <i>in vivo</i> . Principles. Examples. Drug interactions with food, dietary supplements, medicinal plants, alcohol, tobacco.
8.	24-28.03.2025	2	<i>Practical totalization work.</i>

Associate Professor



Livia Uncu