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
«Drug development and pharmaceutical research»,
IV year, VIII semester, 2024-2025 academic year

Nr.	***Date***	***Hours***	***Theme***
1-2.	03-14.02.2025	2	Fundamental notions of research methodology and instruments of pharmaceutical research.
2-3.	17-28.02.2025	2	Planning and design of a research study.
4-5.	03-14.03.2025	2	Basic notions in processing and analysis of the experimental results. Dissemination of research results.
6-10.	17.03-11.04.2025	4	Drug development. Methodology for pharmaceutical research. Stages of drug development.
11-12.	14.04-02.05.2025	2	Stability studies in drug research.
13-15.	05-23.05.2025	3	Quality control and validation of experimental results. Validation of drug development stages. Basic notions of a pharmaceutical dossier. Creating of the license thesis.

Associate professor **Livia Uncu**

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Calendar Plan
of the laboratory lessons at the discipline
«Drug development and pharmaceutical research»,
IV year, VIII semester, 2024-2025 academic year

Nr.	***Date***	***Hours***	***Theme***
1-2.	03-14.02.2025	6	Specialized bibliographical study. Organization, documentation via the Internet (search engines, international scientific databases), drafting of their bibliographic records (classical or electronic system).
3-4.	17-28.02.2025	6	Critical bibliographical study. Revision of a specialized scientific article.
5-7.	03–21.03. 2025	9	Experimental data processing. Basic concepts in statistics. Experimental errors. Limits and confidence interval. Statistical significance tests. Regression analysis and calibration.
8.	24–28.03.2025	3	*Control assessment.*
9.	31.03–04.04.2025	3	Stages of drug development. Chemical, pharmaceutical, pharmacological, clinical studies.
10-11.	07–18.04.2025	6	Stability studies at the drug development stage. Accelerated stability determination studies; calculating the shelf life of drugs.
12.	29.04–02.05.2025	3	Validation of analytical methods. Principles of validation. Preparation of an analytical protocol. Validation of a method of assay of an active principle in a drug. Preparation of the validation report.
13-14.	05–16.05.2025	6	Dissemination of research results. Drawing up the plan of a license thesis; drawing up a research report.
15.	19–23.05.2025	3	*Control assessment.*

Associate professor **Livia Uncu**