

AMENDMENTS AND CHANGES TO THE CURRICULUM IN THE EDUCATIONAL DISCIPLINE

«Toxicological chemistry»

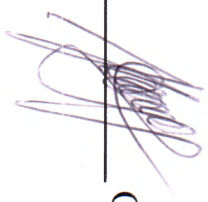
for the specialty 1-79 01 08 Pharmacy

2023/2024 academic year

Amendments and changes	Basis/Reason
1. No changes and amends in thematic plan and educational discipline curricular chart	Educational Plan for 2023/2024 academic year
2. No changes and amends in academic discipline curricular chart and the list of lectures and laboratory (practical) studies	Schedule of sessions for the 2023-2024 academic year
3. The list of practical skills has been updated according to Appendix №.1	Department meeting of 08.06.2023 protocol # 11
4. The list of literature recommended for 2023-2024 academic year has been updated according to Appendix №.2	Department meeting of 08.06.2023 protocol # 11

The curriculum is revised and approved at the department meeting Pharmaceutical Chemistry (protocol # 11 of 08.06.2023)

Head of the Pharmaceutical Chemistry department
Ph.D., associate professor  R.I.L. Lukashou

APPROVED
Dean of the Medical Faculty
of International Students,
Ph.D., associate professor  O.S. Ishutin

List of practical skills

1. Examination of the distillate for the presence of "volatile" poisons by a chemical method.
2. Isolation of "volatile" poisons from biological material by steam distillation.
3. Gas chromatographic analysis of the distillate. Chromatogram processing.
4. Expert opinion (formulation rules).
5. Isolation of medicinal substances from biological fluids by extraction with organic solvents.
6. Detection of acidic and weakly basic medicinal substances.
7. Detection of drugs of a basic nature.
8. Detection of "metal" poisons in the chemical-toxicological study.
9. Photometric determination of bismuth in the mineralizate.
10. Photometric determination of lead in the mineralizate.
11. Photometric determination of antimony in the mineralizate.
12. TLC screening of acidic and weakly basic drugs.
13. TLC screening of basic drugs.
14. Fluorometric determination of quinine in biological fluids.
15. Spectrophotometric determination of barbiturates in biological fluids.
16. Laboratory diagnosis of acute carbon monoxide poisoning (II). Chemical and spectrophotometric determination.
17. Quantitative determination of carboxyhemoglobin by spectrophotometric method.

List of academic discipline «Toxicological chemistry» literature recommended
for 2023-2024 academic year

Basic

1. Karpushina, S. A. Toxicological chemistry : Lecture cours. / S. A. Karpushina, V. S. Bodar, I. O. Zhuravel. – 2 ed., added and improved. – Kharkiv : NUPh, 2011. – 208 p.

Head of the Pharmaceutical
Chemistry department

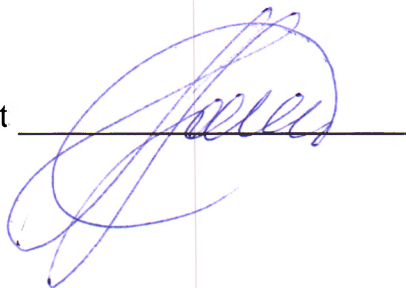
Ph.D., associate professor



R.I. Lukashou

AGREED

Head of the Reader Service Department



V.A. Koleda