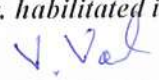




Department of Pharmaceutical and toxicological chemistry
09.3.1-11
Thematic and calendar plans of the lectures and laboratory
lessons (seminars)

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*Approved at the department meeting
of 30.08.2019, minutes nr. I,
Head of Department of Pharmaceutical and
toxicological chemistry
Dr. habilitated in pharm., professor,
 Vladimir Valica*

**Calendar Plan
of the lectures at the discipline «Toxicological chemistry»,
VIIth semester, 2019-2020 academic year**

Nr.	Date	Nr. of hours	Theme
1.	02-06.09.19	2	Toxicological chemistry object. Chemico-toxicological expertise organization in Republic of Moldova. Toxicodynamics and toxicokinetics regularities and toxicokinetics. Biochemical and analytical toxicology.
2-3.	09-20.09.19	4	Toxic's Characteristic which are separated from biological material with polar solvent. Chemical-toxicological analysis of barbituric acid derivative.
4.	23-27.09.19	2	Chemico-toxicological analysis of purine derivatives, pyrazolone, salicylic acid and its derivatives. Chemical-toxicological analysis of cannabis.
5	30.09-04.10.19	2	Chemico-toxicological characteristic of 1,4-benzodiazepine's derivatives.
6-8.	07-25.10.19	6	Chemico-toxicological analysis of chemical substances that are extracted with polar solvents (chloroform extract in a basic environment)
9.	28.10-01.11.19	2	Chemico-toxicological characteristic of volatile compounds. The application of drive steam method for the isolation of the volatile compounds from biological material.
10-11.	04-15.11.19	4	The analysis of the volatile compounds in the distillate. The diagnosis of the alcoholic coma.
12.	18-22.11.19	2	Gas chromatography method application in chemico toxicological analyse.
13-14.	25.11-06.12.19	4	"Metal" Toxics chemico-toxicological research which are separated by mineralization. Fractional analysis. Chemico-toxicological analysis of mercury.
15.	09-13.12.19	2	Pesticide's chemico-toxicological analysis.
16-17.	16-20.12.19 09-10.01.20	4	Isolation of toxic by soaking with water and then dialyse (acids, bases, salts) Chemico-toxicological analysis of carbon monoxide in the poisoned blood.

Associate professor

Tamara Cotelea



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of 30.08.2019, minutes nr. 1,
Head of Department of Pharmaceutical and
toxicological chemistry
Dr. habilitated in pharm., professor,
_____ Vladimir Valica

Calendar Plan
of the laboratory lessons at the discipline «Toxicological chemistry»,
VIIth semester, 2019-2020 academic year

Nr.	Date	Nr. of hours	Theme
1.	02-06.09.19	3	Toxicological chemistry object. Biochemical and analytical toxicology – part of toxicological chemistry. Toxicodinamy and toxicocinetics.
2-3.	09-20.09.19	6	Acid, neutral and weakly basic toxic's research that are separated from the biological material with polar solvent.
4.	23-27.09.19	3	Chemico – toxicological investigation of compounds that cause addiction (toxicomany).
5.	30.09 -04.10.19	3	Chemico-toxicological research of basis toxics, isolated with polar solvents.
6-7.	07-18.10.19	6	Toxic's chemico-toxicological expertise which are separated with polar solvent. Support expertise bulletin. <i>Control assessment.</i>
8-9.	21.10-01.11.19	6	Chemico-toxicological characteristics of volatile compounds which are separated from biological material by steam stripping. The study of the identification reactions, applied in chemico-toxicological analysis. Chemico-toxicological expertise of volatile toxics from biological material.
10.	04-08.11.19	3	Gas chromatography method application in chemico toxicological investigations on volatile toxics.
11.	11-15.11.19	3	The determination of ethylic alcohol in biological fluids by gas-chromatographic method. The diagnosis of alcoholic coma. Bulletin support of volatile toxic's chemico-toxicological expertise.
12.	18-22.11.19	3	Volatile toxic's metabolism. Toxicocinetics, toxicodynamics. <i>Control assessment.</i>
13-14.	25.11-06.12.19	6	Toxic characteristics that are separated by mineralization from the biological material. The stages of mineralization. The research of mineralization and precipitate by fractional method. Chemico-toxicological analysis of mercury.
15.	09 -13.12.19	3	Bulletin support of metal toxic's chemico-toxicological expertise. Pesticide's chemico-toxicological investigation in biological material. <i>Control assessment.</i>
16-17.	16 -20.12.19 09-10.01.20	6	<i>Practical skills attestation.</i>

Associate professor

Tamara Cotelea