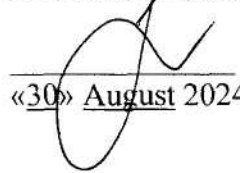


National Pirogov Memorial Medical University, Vinnytsya


«Approved»

Higher Educational Institution
Vice-Rector for Scientific and
Academic Work and International Links


Inna ANDRUSHKO
«30» August 2024

«Agreed»

Head of the Department of Pharmacy


Olena KRYVOVIAZ
«30» August 2024 year

SYLLABUS

of academic discipline

Pharmaceutical aspects of drug addiction and psychoactive substance abuse

Specialty	226 Pharmacy, industrial pharmacy
Specialization	226.01 Pharmacy
Qualification of educational	Master of Pharmacy
Educational program	EPP «Pharmacy» (2023)
Academic year	2024-2025
Department	Department of Pharmacy
Lecturer	Assoc. prof. Alona Voronkina
Contact Information	pharmacy@vnmue.edu.ua/ Vinnytsya, Pirogov str., 56
Compiler of syllabus	Assoc. prof. Alona Voronkina

1. Status and structure of the discipline

Discipline status	Elective
Discipline code in EPP / discipline place in EPP	EC 38. "Pharmaceutical aspects of drug addiction and psychoactive substance abuse" // discipline of professional training
Course / semester	3 course /VI semester
Scope of the discipline (total number of hours / number of ECTS credits)	90 hours /3 credits ECTS
Number of modules	1
The structure of the discipline	Full-time form of study Lectures - 10 hours Practical classes 30 hours Individual work 50 hours Extramural studies Lectures - 4 hours Practical classes 8 hours Individual work 78 hours
Language of teaching	English
Form of study	Full-time, extramural

2. Description of the discipline.

Short annotation of the course, relevance.

The scope of the discipline for full-time study: the total number of hours - 90 of them lectures - 10, practical classes - 30, independent work - 50, ECTS credits - 3.0

The subject of the elective course "Pharmaceutical aspects of drug addiction and psychoactive substance abuse" belongs to the cycle of disciplines of professional training of the applicant of higher education. Discipline contributes to the formation of the necessary skills for the diagnosis of intoxication with psychoactive substances, provides basic knowledge necessary for first aid in acute poisoning with toxic agents.

The subject of study of the discipline is the effect of psychoactive substances on the human body, namely: mechanisms of action and formation of dependence, toxic effects, symptoms of intoxication and acute poisoning. The issues of epidemiology, diagnostics, prevention and methods of combating alcoholism, drug addiction and substance abuse, classification of psychoactive substances, normative documentation regulating the sphere of their circulation are also considered..

Prerequisite – study of the elective course "Pharmaceutical aspects of drug addiction and psychoactive substance abuse" is based on knowledge gained in the study of such disciplines as biology with the basics of genetics, human anatomy and physiology, pathological physiology, inorganic and organic chemistry.

The subject is integrated with such disciplines as pharmacognosy, pharmaceutical chemistry, pharmacology, course of "Side effects of drugs".

The purpose of the course and its significance for professional activities

The purpose of teaching the discipline (elective course) "Pharmaceutical aspects of drug addiction and psychoactive substance abuse" is to study the causes, mechanisms of formation, clinical manifestations of addiction to psychoactive substances, general principles of prevention and treatment of drug addiction, substance abuse and alcoholism. Achieving the goal will prepare students for practical activities, quality performance of functional responsibilities.

Postrequisite - the subject provides knowledge and skills necessary for further study of such disciplines as clinical pharmacy and pharmaceutical care, pharmacotherapy with pharmacokinetics, drug toxicology; courses: phytotherapy, factors and mechanisms of pharmacological activity and toxicity of drugs at the stages of pharmacokinetics, etc.

Discipline is an additional element of professional training, promotes the formation of the necessary skills for the diagnosis of intoxication with psychoactive substances, provides basic knowledge necessary for first aid in acute poisoning with toxic agents.

3. Learning outcomes.

Competences and learning outcomes, the formation of which contributes to the discipline.

Integral (IC):

The ability to solve typical and complex specialized tasks and practical problems in professional pharmaceutical activity using the provisions, theories and methods of fundamental, chemical, technological, biomedical and socio-economic sciences; integrate knowledge and solve complex issues, formulate judgments based on insufficient or limited information; clearly and unambiguously convey their conclusions and knowledge, rationally justifying them, to a professional and non-professional audience.

General competences (GC):

GC 02. Ability to abstract thinking, analysis and synthesis.

GC 03. Knowledge and understanding of the subject area and understanding of professional activity.

GC 05. The ability to communicate in the state language both orally and in writing, the ability to communicate in a foreign language (mainly English) at a level that ensures effective professional activity.

GC 06. Skills in using information and communication technologies.

GC 08. Ability to evaluate and ensure the quality of performed works.

GC 09. Ability to conduct research at the appropriate level.

GC 10. The ability to realize one's rights and responsibilities as a member of society, to realize the values of a civil (free democratic) society and the need for its sustainable development, the rule of law, the rights and freedoms of a person and a citizen in Ukraine.

GC 11. The ability to preserve and multiply moral, cultural, scientific values and achievements of society based on an understanding of the history and patterns of development of the subject area, its place in the general system of knowledge about nature and society and in the development of society, technology and technologies, to use different types and forms motor activity for active recreation and leading a healthy lifestyle.

Special (professional, subject) competences (PC):

PC 01. Ability to collect, interpret and apply data necessary for professional activity, research and implementation of innovative projects in the field of pharmacy.

PC 02. Ability to integrate knowledge and solve complex pharmacy problems in broad or multidisciplinary contexts.

PC 04. Ability to use knowledge of regulatory and legislative acts of Ukraine and recommendations of proper pharmaceutical practices in professional activity.

PC 05. The ability to demonstrate and apply in practical activities communicative communication skills, fundamental principles of pharmaceutical ethics and deontology, based on moral obligations and values, ethical standards of professional behavior and responsibility in accordance with the Code of Ethics of Pharmaceutical Workers of Ukraine and WHO guidelines.

PC 06. The ability to clearly and unambiguously convey one's own knowledge, conclusions and arguments in the field of pharmacy to specialists and non-specialists, in particular to people who are studying.

PC 07. The ability to carry out sanitary and educational work among the population for the purpose of prevention of common diseases, prevention of dangerous infectious, viral and parasitic diseases, as well as for the purpose of promoting timely detection and support of adherence to the treatment of these diseases according to their medico-biological characteristics and microbiological features .

PC 08. The ability to provide pre-medical assistance to the sick and injured in extreme situations and emergencies.

PC 09. The ability to consult on prescription and non-prescription drugs and other products of the pharmacy assortment and aspects of healthy nutrition, pharmaceutical care during the selection and sale of drugs of natural and synthetic origin by assessing the risk/benefit ratio, compatibility, taking into account their biopharmaceutical, pharmacokinetic , pharmacodynamic and physicochemical and chemical features, indications/contraindications for use, guided by data on the health status of a particular patient.

PC 10. The ability to monitor the effectiveness and safety of the population's use of medicinal products according to data on their clinical and pharmaceutical characteristics.

Learning outcomes:

Integrative final program learning outcomes, the formation of which is facilitated by the educational discipline:

PLO 01. Apply specialized knowledge and skills/skills from general and professional disciplines in professional activities.

PLO 02. Critically consider scientific and applied problems in the field of pharmacy.

PLO 03. Assess and ensure the quality and efficiency of activities in the field of pharmacy.

PLO 04. To comply with the norms of the sanitary and hygienic regime and the requirements of safety equipment when carrying out professional activities.

PLO 05. Plan and implement professional activities on the basis of normative legal acts of Ukraine and recommendations of proper pharmaceutical practices.

PLO 06. To carry out professional communication in the state language, to use the skills of oral communication in a foreign language, analyzing texts of a professional orientation, and to translate foreign language information sources.

PLO 07. To demonstrate the ability of independent posh

collection, analysis and synthesis of information from various sources, including professional literature, patents, databases; its assessment, in particular, using statistical analysis, as well as the application of these results for the solution of typical and complex specialized tasks of professional activity, including the development and production of medicinal products.

PLO 08. Develop and make effective decisions to solve complex/complex problems of pharmacy personally and based on the results of joint discussion; to formulate the goals of one's own activity and the activity of the collective, taking into account public and industrial interests, the general strategy and existing limitations, to determine the optimal ways of achieving the goals.

PLO 10. To carry out sanitary and educational work in professional activities in the event of outbreaks of infectious, viral and parasitic diseases.

PLO 11. Provide pre-medical assistance to patients with urgent conditions and victims in extreme situations.

PLO 12. Contribute to the preservation of health, in particular the prevention of diseases, the rational prescription and use of medicinal products. To conscientiously fulfill one's professional duties, to comply with the legislation on the promotion and advertising of medicinal products. Possess psychological communication skills to achieve trust and mutual understanding with colleagues, doctors, patients, consumers.

PLO 14. Determine the advantages and disadvantages of drugs of various pharmacological groups, taking into account their chemical, physicochemical, biopharmaceutical, pharmacokinetic and pharmacodynamic features. Recommend to consumers non-prescription drugs and other products of the pharmacy assortment with the provision of advisory assistance and pharmaceutical care.

PLO 15. Formulate, argue, clearly and concretely convey information to specialists and non-specialists, including those seeking higher education, based on their own knowledge and professional experience, the main trends in the development of world pharmacy and related industries.

PLO 16. Record cases of side effects when using medicinal products of natural and synthetic origin; evaluate the factors that can affect the processes of absorption, distribution, deposition, metabolism and excretion of drugs and are determined by the condition and characteristics of the human body and the pharmaceutical characteristics of drugs.

4. Content and logistics of the discipline

Section 1. Pharmaceutical aspects of drug addiction and psychoactive substance abuse	5 th semester 90 hours/3 credits	Full-time form of study Lectures topics № 1 - №5 Practical classes topics № 1- №15 Topics for independent study №1 - №15 Extramural study Lectures topics № 1-2 Practical classes topics № 1- №4 Topics for independent study №1 - №30
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The course (full-time form of study) includes 15 topics, which are divided into 1 module

The course (extramural study) includes 4 topics, which are divided into 1 module.

Topics of lectures
(Full-time form of study)

№	Lecture topic	Hours
1.	Pharmaceutical aspects of drug addiction and psychoactive substance abuse: basic concepts and terms	2
2.	Principles of neurophysiological regulation in the conditions of formation of dependence on psychoactive substances	2
3.	Basics of prevention and treatment of chronic poisoning by psychoactive substances	2
4.	Pharmacological aspects of care for acute poisoning by psychoactive substances	2
5.	Pharmaceutical aspects of non-medical use of opiates, amphetamines, cannabinoids, neuroleptics, tranquilizers, hypnotics.	2
Total hours		10

Topics of lectures
(extramural form of study)

№	Lecture topic	Hours
1.	Pharmaceutical and pharmacological aspects of alcoholism, drug addiction and addiction.	2
2.	General and pharmacological aspects of providing assistance in acute poisoning by psychoactive substances.	2
Total hours		4

Topics of practical classes
(Full-time form of study)

№	Topic of the practical lesson	Hours
Module 1. Pharmaceutical aspects of drug addiction and psychoactive substance abuse		
1	Pharmaceutical aspects of drug addiction and psychoactive substance abuse: basic concepts and terms. Classifications of narcotic and psychoactive substances.	2
2	Organization of medical care in patients with drug addiction and psychoactive substance abuse in Ukraine Stages of drug addiction. Epidemiology, prevention and methods of overcoming alcoholism, drug addiction and substance abuse. Diagnosis, stages and methods of treatment of drug addiction and psychoactive substance abuse	2
3	Pharmaceutical aspects of smoking: toxic effects, symptoms of poisoning, medical care. Methods of tobacco prevention	2
4	Pharmaceutical aspects of alcoholism: concept, definition, toxicological characteristics. Etiopathogenesis, clinical signs of alcoholism. Basics of prevention and treatment of chronic and acute poisoning. Methods of alcoholism prevention	2
5	Alcohol surrogates: toxic effects, clinical signs of poisoning. Pharmacological aspects of care for acute poisoning	2
6	Pharmaceutical aspects of opiate dependence: history, sources, general characteristics, medical use of opiates	2
7	Toxic effects, opiate metabolism. Acute poisoning, medical care. Consequences of opiate abuse, prevention of the poisoning, characteristics of separate opiates	2
8	Pharmaceutical aspects of amphetamine use: representatives, the effects on the body, medical care for patients with the poisoning	2
9	Pharmaceutical aspects in the use of hallucinogens: representatives, the effects on the body, the consequences of abuse	2

10	Pharmaceutical aspects of cocaine use: the toxic effects on the body, consequences of use, prevention and treatment of addiction	2
11	Pharmaceutical aspects of cannabinoid use: the toxic effects on the body, consequences of use. Prevention and treatment of addiction	2
12	Pharmaceutical aspects in the use of tranquilizers: representatives, effects on the body, the consequences of abuse, medical care for patients with the poisoning	2
13	Pharmaceutical aspects in the use of neuroleptics: representatives, effects on the body, medical care for patients with the poisoning	2
14	Pharmaceutical aspects in the use of hypnotics: representatives, consequences of abuse. Help with poisoning.	2
15	Control of module № 1. Credit	2
Total hours		30

Topics of practical classes
(Extramural form of study)

№	Topic of the practical lesson	Hours
1.	Pharmaceutical aspects of toxicomania and drug addiction, basic concepts and terms. The effect of tobacco on the human body. Methods of smoking prevention.	2
2.	Toxic effects of alcohol. Help with acute poisoning. Treatment of chronic alcoholism.	2
3.	Pharmaceutical aspects in the use of opiates, amphetamines, hallucinogens, therapy of dependence on them.	2
4.	Pharmaceutical aspects in the use of cocaine, cannabinoids, psychotropic drugs and dependence on them. Credit.	2
Total		8

Topics for independent work
(Full-time form of study)

№	The name of the topic	Hours
Module 1. Pharmaceutical aspects of drug addiction and psychoactive substance abuse		
1	Basic concepts of narcology. Pre-nosological forms of substance use.	3
2	Basic principles and methods of treatment of addiction to psychoactive substances Prevalence of smoking in the world and in Ukraine among children and adolescents. The effect of smoking on the child's body	4
3	Prevalence of smoking in the world and in Ukraine among children and adolescents. The effect of smoking on the child's body	3
4	Medical support for prevention and treatment of smoking	3
5	Patterns of alcoholism. Clinical picture of alcoholism. Stages of the disease	4
6	Mental and behavioral disorders related to alcoholism. Alcohol withdrawal syndrome, its treatment. Alcoholic psychosis	3
7	Modern methods of treatment of chronic alcoholism. Methods of social correction of behavior of chronic alcoholics	3
8	Psychosomatic and metabolic disorders in the use of psychotropic drugs and their dependence. Principles of pharmacological correction	3
9	Polydrug addiction: causes, clinical picture, consequences. Emergencies in narcology and medical care for them	3
10	Basic methods of psychoprophylaxis, psychotherapy and psychocorrection in narcology. Social aspects of drug use	4
11	Psychosomatic and metabolic disorders in the use of amphetamines and addiction to	3

	them. Principles of pharmacological correction.	
12	Psychosomatic and metabolic disorders in cocaine use and addiction. Principles of pharmacological correction.	4
13	Pharmacological aspects of chronic poisoning with tranquilizers. Psychosomatic and metabolic disorders when using tranquilizers and addiction to them. Principles of pharmacological correction	3
14	Pharmacological aspects of chronic neuroleptic poisoning. Psychosomatic and metabolic disorders when using tranquilizers and addiction to them. Principles of pharmacological correction.	3
15	Pharmacological aspects of chronic poisoning with hypnotics. Psychosomatic and metabolic disorders when using tranquilizers and addiction to them. Principles of pharmacological correction.	4
Total hours		50

Topics for independent work
(Extramural form of study)

№	Topic of the practical lesson	Hours
1	Basic concepts of narcology. Preclinical forms of psychoactive substance use.	4
2	Basic principles and methods of treatment of addiction to psychoactive substances	4
3	Prevalence of tobacco smoking in the world and in Ukraine among children and adolescents.	3
4	The effect of smoking on the child's body.	3
5	Medical support for the prevention and treatment of tobacco smoking	4
6	Patterns of alcoholism. Clinical picture of alcoholism. Stages of the disease.	5
7	Alcohol withdrawal syndrome, its treatment. Metal alcohol psychoses	4
8	Mental and behavioral disorders in connection with alcoholism.	3
9	Medical support for the prevention and treatment of alcoholism	4
10	Basic methods of psychoprophylaxis, psychotherapy and psychocorrection in narcology. Social aspects of drug use	4
11	Pharmacological aspects of chronic opiate poisoning: toxic effect on the body, consequences of use. Prevention and treatment of addiction.	3
12	Pharmacological aspects of chronic cocaine poisoning. Psychosomatic and metabolic disorders in cocaine use and addiction. Principles of pharmacological correction.	4
13	Pharmacological aspects of chronic cannabinoid poisoning. Psychosomatic and metabolic disorders when using hemp products and addiction to them. Principles of pharmacological correction.	4
14	Pharmacological aspects of chronic poisoning with amphetamines. Psychosomatic and metabolic disorders in the use of amphetamines and dependence on them. Principles of pharmacological correction.	4
15	Pharmaceutical aspects and basics of prevention when using hallucinogens: toxic effect on the body, consequences of use. Prevention and treatment of addiction.	3
16	Pharmaceutical aspects of the use of cannabinoids: toxic effect on the body, consequences of use. Prevention and treatment of addiction.	5
17	Polynarcotics: causes, clinical picture, consequences. Urgent conditions in narcology and assistance with them	4
18	Pharmacological aspects of chronic poisoning with tranquilizers. Psychosomatic and metabolic disorders when using tranquilizers and dependence on them. Principles of pharmacological correction.	5
19	Pharmaceutical aspects of the use of neuroleptics: representatives, effect on the body, help with poisoning	3
20	Sleeping pills: representatives, consequences of abuse, help with poisoning.	5
	Total hours	78

The topics of the lecture course reveal the problematic issues of the relevant sections of the discipline. Methodology of lectures: they are not taught in classrooms, materials are posted on the information resources of the department.

Practical classes provide a theoretical justification of the main issues of the topic and the acquisition of the following practical skills:

- 1) Ability to conduct primary diagnosis of drug intoxication by external symptoms and to organize first aid in case of acute poisoning.
- 2) Ability to correctly select the objects of chemical and toxicological analysis in case of intoxication by different groups of narcotic and psychotropic substances, taking into account the basic patterns of their behavior in the body (pathways, distribution, accumulation, metabolism and excretion).
- 3) Using the acquired knowledge to promote a healthy lifestyle, based on an understanding of irreversible disorders of the body as a result of drug and psychotropic substance abuse.
- 4) Ability within the system to combat drug and psychoactive substance abuse to conduct preventive work in the workplace and in society as a whole..

Independent work of the student involves preparation for practical classes and intermediate tests, study of topics for independent extracurricular work, writing essays, preparation of presentations, tables. Control of mastering the topics of independent extracurricular work is carried out at intermediate control classes and final control of the discipline.

Individual work includes the study of scientific literature, preparation of reviews on the topics provided for presentation at meetings of the student scientific circle, the implementation of scientific and practical research, participation in specialized competitions, scientific and practical conferences, competitions of student research papers.

Thematic plans of lectures, calendar plans of practical classes, thematic plan of independent extracurricular work, volume and directions of individual work are published on the website of the department.

Route of receiving materials: Department of Pharmacy / Student / Full-time / Pharmacy, industrial pharmacy / 3rd year / Teaching materials / or by link <https://www.vnmu.edu.ua/> Pharmacy department #. Access to materials is provided from the student's corporate account s000XXX@vnmu.edu.ua

5. Forms and methods of monitoring learning outcomes

Current control in practical classes	Methods: oral or written survey, testing, electronic survey, solving situational problems.
Control of mastering the thematic section of the discipline at intermediate control classes	Methods: oral or written interview, electronic testing, solving situational problems, control of practical skills
Final control of the discipline - credit	Methods: electronic testing, oral examination (according to the regulations on the organization of the educational process in National Pirogov Memorial Medical University, Vinnytsya (link https://www.vnmu.edu.ua/ General information / Basic documents)
Tools for diagnosing learning success	Theoretical questions, tests, professionally-oriented situational tasks, practical tasks, demonstration of practical skills

6. Evaluation criteria

Assessment of knowledge is carried out in accordance with the Regulations on the organization of the educational process in National Pirogov Memorial Medical University, Vinnytsya (link <https://www.vnmu.edu.ua/> General information / Basic documents).

Current control	According to the four-point system of traditional evaluations: 5 "excellent", 4 "good", 3 "satisfactory", 2
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	"unsatisfactory"
Intermediate controls by sections	According to the four-point system of traditional evaluations
Control of practical skills	According to the four-point system of traditional evaluations
Credit	On a 200-point scale (arithmetic mean for the semester is converted into points) Credited: from 122 to 200 points Not credited: less than 122 points (see Evaluation Scale)

Grading scale: national and ECTS

Sum of points for all types educational activities	Estimation of ESTS	Assessment on the national scale	
		for the examination, course project (work), practice	for credit
180-200	A	excellent	passed
170-179,99	B	well	
160-169,99	C		
141-159,99	D	satisfactorily	
122-140,99	E	satisfactory	
0-121,99	FX	unsatisfactory with the possibility of retaking	not enrolled with the possibility of retaking
	F	unsatisfactory with mandatory re-study of the discipline	not enrolled with mandatory re-study of the discipline

7. Policy of discipline / course

The student has the right to receive quality educational services, access to modern scientific and educational information, qualified counseling during the study of the discipline / course and the acquisition of practical skills. The policy of the department during the provision of educational services is student-centered, based on the regulations of the Ministry of Education and the Ministry of Health of Ukraine, the Charter of National Pirogov Memorial Medical University, Vinnytsya and the procedure for providing educational services, regulated by the Regulations on the organization of the educational process in National Pirogov Memorial Medical University, Vinnytsya, and on the basis of academic integrity.

Observance of the rules of the National Pirogov Memorial Medical University, Vinnytsya regulations, safety precautions at practical classes. Safety instruction is conducted at the first practical lesson by the teacher. The briefing is registered in the Safety Briefing Journal. A student who has not been instructed is not allowed to practice.

In the case of the announcement of the signal "Air alarm" or other warning signals, the teacher stops the class, informs the students of higher education about the need to proceed to the shelter of civil defense and stay there until the signal is canceled. The teacher informs the students of higher education about further actions after canceling the signal: to continue the class or to recommend completing the material independently with a further survey at the next class (order No. 505 dated 08/30/2023).

Requirements for preparation for practical classes. The student must be prepared for a practical lesson, tasks to prepare for the current topic must be completed.

The student should come to class on time, without delay. A student who is late is not allowed to study and must rework it in the prescribed manner.

In practical classes, the student must be dressed in a work uniform. Students who do not have a work uniform are not allowed to study.

The student must follow the rules of safety in practical classes and during the stay in the department.

When discussing theoretical issues, students should demonstrate tolerance, courtesy and respect for their colleagues and the teacher; when performing practical tasks, the workplace must be kept in order and be cleaned after the practical work.

Use of mobile phones and other electronic devices. The use of mobile phones and other electronic devices in the classroom is allowed only on the instructions of the teacher.

Academic integrity. During the study of the discipline the student must be guided by the Code of Academic Integrity of National Pirogov Memorial Medical University, Vinnytsya. In case of violation of the norms of academic integrity during the current and final controls, the student receives a grade "2" and must rework it in the prescribed manner for two weeks.

Missed classes. Missed classes are practiced in the manner prescribed by the Regulations on the organization of the educational process at National Pirogov Memorial Medical University, Vinnytsya at the time determined by the schedule of reworks, published on the website of the department and posted on the information stands of the department.

The procedure for admission to the final control of the discipline is given in the Regulations on the organization of the educational process in National Pirogov Memorial Medical University, Vinnytsya. Students who do not have missed classes without rework, provided by the curriculum of the discipline / course, and have the minimum number of points, which corresponds to the national scale "3", are admitted to the final control.

Additional individual points. Individual points in the discipline according to the Regulations on the organization of the educational process in National Pirogov Memorial Medical University, Vinnytsya, a student can receive for individual work in its successful implementation. The number of points, depending on the volume and significance of such work can be in the range of 6 - 12.

Conflict resolution. In the event of conflict situations, the applicant of higher education has the right to submit an application, which is considered in accordance with the Regulations on the consideration of applications from applicants for higher education in National Pirogov Memorial Medical University, Vinnytsya.

Politics in terms of distance learning. The order of distance learning is regulated by the Regulations on the introduction of elements of distance learning in National Pirogov Memorial Medical University, Vinnytsya. The procedure for conducting practical classes and lectures, reworks and consultations during distance learning is published on the website of the department.

Teacher feedback is provided through the distance learning platform (MicrosoftTeams), messengers or e-mail (at the teacher's choice) during business hours.

A student of higher educational institution has the right to receive quality educational services, access to modern scientific and educational information, qualified advisory assistance during the study of the discipline and mastering practical skills. The policy of the department during the provision of educational services is student-centered, based on regulatory documents of the Ministry of Education and the Ministry of Health of Ukraine, the university charter and the procedure for providing educational services, regulated by the basic provisions of the organization of the educational process at M.I. Pirogov VNMU and the principles of academic integrity

8. Training resources

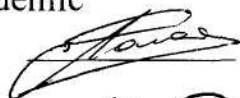
Educational and methodological support of the discipline is published on the website of the department (<https://www.vnmu.edu.ua/> Department of Pharmacy / Student). Consultations are held twice a week according to the consultation schedule.

9. The schedule and distribution of groups by teachers is published on the website of the department ((<https://www.vnmu.edu.ua/> Department of Pharmacy / Student).

10. Questions to the intermediate and final control of the discipline are published on the website of the department (<https://www.vnmu.edu.ua/> Department of Pharmacy / Student).

Syllabus on discipline «**Pharmaceutical aspects of drug addiction and psychoactive substance abuse**» was discussed and approved at the meeting of the pharmacy department (protocol №1, from "30" August 2024 year)

Responsible for the academic
discipline



Alona VORONKINA

Head of the department



Olena KRYVOVIAZ