

**Odessa National Medical University**  
**Faculty of Pharmacy**  
**Department of Pharmacology and Pharmacognosy**

**Syllabus course**

**PHARMACEUTICAL ASPECTS OF SMOKING, ALCOHOLISM, DRUG  
ADDICTION AND SUBSTANCE ABUSE**

<b>Amount</b>	3 credits / 90 hours
<b>Semester, year of study</b>	VI semester, III year of study
<b>Days, time, place</b>	According to the schedule in the classroom 101 of the Department of Pharmacology and Pharmacognosy (pharmacognosy cycle). Street Malinowski - 37
<b>Teacher (s)</b>	Rozhkovsky Yaroslav Vladimirovich, Doctor of Medicine, Professor Prystupa Bogdan Volodymyrovych, Ph.D., senior lecturer Kovalchuk Iryna Viktorivna, Candidate of Pharmaceutical Sciences, Assistant
<b>Contact phone</b>	0934510278
<b>E-mail</b>	<a href="mailto:yarro@ukr.net">yarro@ukr.net</a> - Rozhkovsky Ya.V. <a href="mailto:bodernet@meta.ua">bodernet@meta.ua</a> - Prystupa BV <a href="mailto:kivi2510@gmail.com">kivi2510@gmail.com</a> - Kovalchuk IV
<b>Workplace</b>	Office № 110 (Prystupa BV), № 107 (Kovalchuk IV), № 105 (Rozhkovsky YV) of the Department of Pharmacology and Pharmacognosy. Street Malinowski - 37
<b>Consultations</b>	<i>Eye consultations</i> : Thursday from 15.00 to 17.00; Saturday from 9.00 to 13.00 <i>Online consultations</i> : Thursday from 15.00 to 17.00; Saturday from 9.00 to 13.00 <a href="https://moodle.odmu.edu.ua/">https://moodle.odmu.edu.ua/</a> or via <i>Telegram / viber</i>

## **COMMUNICATION**

Communication with students will be through face-to-face meetings. In case of transition to distance learning, communication with students will be carried out by means of E-mail and programs: Microsoft Teams, Telegram and Viber.

## **COURSE ANNOTATION**

### *The subject of study of the discipline*

The subject of study of the discipline "Pharmaceutical aspects of addiction and drug addiction" is to determine a set of toxicometric parameters of the main groups of psychotropic, narcotic and potent substances and integration of acquired knowledge and skills for the prevention of alcoholism, drug addiction and substance abuse.

***Prerequisites and postrequisites of the course (Place of discipline in the educational program):***

Course (elective course) "Pharmaceutical aspects of drug addiction and drug addiction"

- is based on the study by students of physical and chemical properties of inorganic and organic substances (courses of inorganic, organic and analytical chemistry), biochemical transformations occurring in the body (biochemistry course), structure of organs, body systems and their disorders (courses of anatomy, physiology, pathology and pharmacology) and integrates with these disciplines;

- the discipline provides training for further activities in the field of analytical toxicology, clinical pharmacology and pharmaceutical chemistry.

***The purpose of the course.***

The purpose of teaching the discipline "Pharmaceutical aspects of addiction" is to teach students the basics of drug treatment in Ukraine and Europe and to study the main groups of pharmaceuticals and household chemicals, the abuse of which causes addiction.

***Tasks of the discipline :***

- study of social, physiological and psychological factors that are leading in the etiology of drug addiction, drug addiction and alcoholism;
- search for rational methods and techniques of prevention and treatment;
- analysis of the causes of mortality caused by drug and substance abuse;
- analysis of the spread of drug addiction, drug addiction and alcoholism among the population of different age groups;
- planning and organization of drug treatment (informing) the population.

***Expected results***

According to the study of the discipline, students must

***know:***

- basic provisions on the organization of drug treatment to the population;
- the main phases of the withdrawal syndrome and intoxication;
- consequences of substance abuse;
- mental, behavioral and somatoneurological disorders in drug addiction and polytoxicomania;
- compounds that cause drug addiction, their physicochemical properties.

***be able:***

- use professional knowledge in solving practical issues;
- to carry out preventive informing of the population concerning harmfulness of various types of drug addiction;
- provide first aid for drug addiction;
- work independently with educational and reference literature;
- apply the basics of pharmaceutical addiction in the study of specialized disciplines

## **COURSE DESCRIPTION**

***Forms and methods of teaching***

The course will be presented in the form of lectures (10 hours), practical (10 hours) and seminar (10 hours), organization of independent work of students (60 hours).

The study of the discipline should be implemented on the basis of methods of problem statement, heuristic, research, interactive (project method).

### *The content of the discipline*

Topic 1 Terminology in narcology. classification of narcotic and psychoactive substances. general principles of diagnosis, treatment and prevention of drug addiction and substance abuse.

Topic 2 Pharmaceutical aspects and basics of tobacco prevention.

Topic 3 Pharmaceutical aspects and basics of alcoholism prevention.

Topic 4 Pharmaceutical aspects and basics of prevention of opiate use and dependence on them.

Topic 5 Pharmaceutical aspects and basics of prevention in the use of hallucinogens, amphetamines and their dependence.

Topic 6 Pharmaceutical aspects and basics of cocaine use prevention and dependence.

Topic 7 Pharmaceutical aspects and basics of prevention of cannabinoid use and dependence on them.

Topic 8 Pharmaceutical aspects and basics of prevention in the use of psychotropic drugs and their dependence.

### *List of recommended reading*

1. Central Registry of Drug Abuse Sixty-sixth Report 2007-2016 Narcotics Division, Security Bureau – 124 p.
2. Noreen O'Donohue and Sue Richardson PURE MURDER A Book about Drug Use Edited – 103 p.
3. Neuropathology of Drug Addictions and Substance Misuse Volume 3: General Processes and Mechanisms, Prescription Medications, Caffeine and Areca, Polydrug Misuse, Emerging Addictions and Non-Drug Addictions / Victor R. Preedy. Academic Press is an imprint of Elsevier – 2016. – 1017 p.
4. Rabi A. , Analysis of Drugs of Abuse. Springer Science+Business Media, LLC, part of Springer Nature 2018. – 234 p.
5. Pharmacology and Abuse of Cocaine, Amphetamines, Ecstasy and Related Designer Drugs A Comprehensive Review on their Mode of Action, Treatment of Abuse and Intoxication / Enno Freye, Joseph V. Levy. Springer Dordrecht Heidelberg London New York. - 2009. – 267 p.
6. Amitava Dasgupta Handbook of Drug Monitoring Methods Therapeutics and Drugs of Abuse - Humana Press Inc. – 2008. – 441 p.

## **EVALUATION**

*Methods of current control:* Evaluation of the success of the study of each topic of the discipline is performed on a traditional 4-point scale.

Current performance is calculated as the average current score, ie the arithmetic mean of all grades obtained by the student on a traditional scale, rounded to 2 (two) decimal places , for example 4.75.

Assessment of current control in the discipline:

The value of the assessment is "**excellent**": the student shows special creative abilities, is able to acquire knowledge independently, without the help of the teacher finds and processes the necessary information, is able to use acquired knowledge and skills to make decisions in unusual situations, convincingly argues answers.

The value of the grade "**good**": the student is fluent in the studied amount of material, applies it in practice, freely solves exercises and problems in standard situations, independently corrects mistakes, the number of which is insignificant.

The value of the assessment is "**satisfactory**": the student reproduces a significant part of the theoretical material, shows knowledge and understanding of the basic provisions; with the help of the teacher can analyze the educational material, correct mistakes, among which there are a significant number of significant ones.

The value of the assessment is "**unsatisfactory**": the student has the material at the level of individual fragments that make up a small part of the study material.

Only those students who do not have academic debts and have an average score of at least 3.00 for their current academic activity are allowed to take the final attestation.

Assessment of the current test control in the discipline:

- "5" - 100-91% of correct answers;
- "4" - 90-71% of correct answers;
- "3" - 70-60.5% of correct answers;
- "2" - less than 60% of correct answers.

*Forms and methods of final control:*

The form of final control of knowledge in the discipline is a test.

The average score for the discipline is translated into the traditional grade from the discipline on a 4-point scale and is regarded as the ratio of this arithmetic mean to the percentage of mastering the required amount of knowledge in this subject.

GPA for discipline	The ratio received by the student average score for the discipline to the maximum possible value of this indicator	Score from discipline on a 4-point scale (traditional assessment)
4.45 - 5.0	185-200	5
3.75 - 4.44	151-184	4
3.0 - 3.74	120-150	3

*Independent work of students.*

Students' independent work, which is provided by the topic of the lesson along with the classroom work, is assessed during the current control of the topic in the relevant lesson. Assimilation of topics that are submitted only for independent work is checked at the last lesson.

## **COURSE POLICY** ("rules of the game")

*Deadline and recompilation policy:* tasks to be completed on time according to the deadline. For late performance of the task the student receives an unsatisfactory grade. Rearrangement is carried out according to the approved schedule.

*Academic Integrity Policy :*

Observance of academic integrity by students of education provides:

- ♦ independent performance of educational tasks, tasks of current and final control of learning outcomes (for persons with special educational needs this requirement is applied taking into account their individual needs and opportunities);
- ♦ links to sources of information in the case of the use of ideas, developments, statements, information.

*Policy attendance and tardiness* . To obtain a satisfactory grade, it is mandatory to attend and work in classrooms (lectures and seminars). The student is allowed to be late for no more than 10 minutes.

*Mobile devices:* *You* can use mobile devices in class with the permission of the teacher.

*Audience behavior:*

While in the audience are important: respect for colleagues; tolerance for others; susceptibility and impartiality; the ability to disagree with the opinion, but to respect the personality of the opponent (during discussions); careful argumentation of the opinion; adherence to the ethics of academic relations.