

**Odesa National Medical University**  
**Pharmacy Faculty**  
**International Faculty**

**Syllabus of the academic discipline**

**Social Pharmacy**

<b>Volume</b>	90 hours (lectures 10 hours, practical training 30 hours, IWS 50 hours)/ 3 ECTS credits
<b>Semester / Year of studying</b>	9 <sup>th</sup> /5 <sup>th</sup> year of studying
<b>Days, time, place</b>	According to the timetable Department Organization and Economics of pharmacy
<b>Assistant(-s)</b>	Assoc.Dep Bielyaieva Oksana Ivanivna
<b>Contact phone</b>	+380503367875
<b>E-mail</b>	<a href="mailto:oksana.belyayeva@onmedu.edu.ua">oksana.belyayeva@onmedu.edu.ua</a>
<b>Adress</b>	Department of Organization and Economics of pharmacy; M. Malinovskogo str. 37, Odesa city
<b>Information about consultations</b>	Consultations are held on Tuesdays from 14:30 to 16:00 and Saturdays from 9:00 to 13:00 according to the approved schedule

**Communication**

Communication with students will be carried out in auditorium of the department.

In case of distance learning, communication is carried out through the Microsoft Teams platform, as well as Zoom platform, through e-mail correspondence [oef@onmedu.edu.ua](mailto: oef@onmedu.edu.ua), through Viber, Telegram, WhatsApp messengers.

**COURSE ANNOTATION**

***The object of discipline***

The subject of the discipline is the social aspects of pharmaceutical activity, in particular the mechanisms of improving the availability of pharmaceutical care to the population, the formation of social responsibility of pharmaceutical professionals.

***Pre-requisites of the course***

The discipline is based on student's knowledge from "Introduction in Pharmacy", "Pharmaceutical and medical commodity science", "Pharmaceutical law and legislation", "Ethics and deontology in pharmacy"

***Post-requisites of the course***

Acquired knowledge, skills and competences are the framework for further study "Pharmaceutical management and marketing" and are the basis for continuous professional post-graduate education

***Aim of the course***

The purpose of the discipline "Social Pharmacy" is to form a system of knowledge about the social and economic aspects of pharmaceutical activities in modern conditions, as well as the formation of professionally important skills to ensure the availability of pharmaceutical care for the population.

***Objectives of the course***

The main tasks of studying the discipline are the following: generalization of social aspects of the pharmacy; acquaintance with the current information technology (E-health); study ways to improve the attractiveness of social pharmacies.

***Expected results:***

*Program learning outcomes for the discipline:*

PLO 1. To carry out professional activities in social interaction based on humanistic and moral principles; identify future professional activities as socially significant for human health.

PLO 2 Apply knowledge of general and special disciplines in professional activities.

PLO 5. Position your professional activity and personal qualities in the pharmaceutical labor market; to formulate the purposes of own activity taking into account public and commercial interests.

PLO 6. Argue information for making decisions, be responsible for them in standard and non-standard professional situations; adhere to the principles of deontology and ethics in professional activities.

PLO 11. Use methods for assessing performance indicators; identify reserves to increase labor efficiency.

PLO 20. To carry out a set of organizational and managerial measures to provide the population and health institutions with medicines and other pharmacy commodities. To carry out all types of accounting, administrative records, analysis of pharmaceutical products

PLO 21. To calculate the main economic factors, as well as taxes and fees. Expect all types of prices (purchase and retail) for drugs and other pharmaceutical products.

PLO 23. Take into account the data of socio-economic processes in society for the pharmaceutical supply of population, determine the effectiveness and availability of pharmaceutical care in terms of health insurance and reimbursement of the drug cost

PLO 25. Promote health, including disease prevention, rational use and use of medicines. Perform your professional duties in good faith, comply with the law on the promotion and advertising of medicines. Have psychological communication skills to build trust and understanding with colleagues, doctors, patients, consumers..

PLO 29. Ensure a competitive position and effective development of pharmaceutical organizations on the basis of research work carried out on all elements of the marketing mix.

## **COURSE DESCRIPTION**

### ***Forms and methods of teaching***

The course will be presented in the form of lectures (10 hours), practical classes (30 hours), independent work of students (50 hours).

Problem-based presentation, case studies, discussions, work in a computer class (testing), electronic (review or problem) lectures, presentations, "business games" are used as teaching methods

### ***Content of the course***

Topic 1. Theoretical foundations of social policy in providing the population with medicines.

Topic 2. Social significance of medicines

Topic 3. Strategic priorities for the formation of the pharmaceutical safety system

Topic 4. Health insurance as a component of social policy

Topic 5. Socio-economic approaches to providing the population with medicines and medical devices

Topic 6. State social guarantees to ensure the professional rights, benefits and income of pharmaceutical professionals. Pharmaceutical self-government.

Topic 7. Social pharmacy and law. Social responsibility of the pharmaceutical business

Topic 8. Social marketing in today's pharmaceutical market.

Topic 9. The social role of management in pharmaceutical organizations

Topic 10. Socio-pharmaceutical aspects in providing pharmaceutical care to certain categories of patients. Responsible self-medication and pharmaceutical care

## **LIST OF RECOMMENDED LITERATURE**

### **Basic**

1. Texts of lectures on the discipline "Social Pharmacy" / LM Unhurian, OI Bieliaieva, IV Vyshnytska, OO Alexandrova. - Odessa: ONMedU, 2021. - 82 p.

2. Pharmaceutical Law and Legislation : the textbook for applicants for higher education / A.A. Kotvitskaya, I.V. Kubarieva, A.V. Volkova et al. Kharkiv : NUPh : Golden Pages, 2019.204 p.

3. Organization of pharmaceutical aid to the population / Under ed. prof. Nemchenko A.S. - Kharkov, 2016.- Unit 1, 116 p.

### **Additional**

1. Comorbidities as factors influencing choice of drug in arterial hypertension therapy/ Vyshnytska Iryna, Unhurian Liana, Bieliaieva Oksana, Pietkova Iryna. Medical theory: collective monograph / Bulavenko Olga, Muntian Olga, Muntian Maksym, Yarovenko Anatolii, etc. International Science Group. Boston: Primedia

eLaunch, 2020. P. 68-76. Available at: DOI: 10.46299/isg.2020.MONO.MED.II

2. Methodical approaches to teaching pharmacoeconomics at the faculty of pharmacy/ Vyshnytska Iryna, Unhurian Liana, Bieliaieva Oksana, Smyrnova Olha. Scientific foundations of modern pedagogy: collective monograph / Bets I., Bets Yu., Filippov M., etc. International Science Group. Boston: Primedia eLaunch, 2020. P. 76-82 Available at: DOI: 10.46299/isg.2020.MONO.PED.II

3. Unhurian L., Bielyaieva O., Vyshnytska I., Suschuk N., Petkova I. (2018) Implementation of Standards of Good Pharmacy Practice in the World: A Review. Asian Journal of Pharmaceutics. Vol. 12. N 1 (Suppl). Pp. 42 - 46.

4. Unhurian L., Bielyaieva O., Burenkova N. (2017) Analysis of the Modern Pharmaceutical Market of Anxiolytic Drugs in Ukraine. International Journal of Pharmaceutical Sciences Review and Research. Vol. 43 N 1. Pp. 169 – 172.

5. Standarts for quality of pharmacy services <http://fip.org/files/fip/Statements/latest/Dossier%20004%20total.PDF>

6. Good pharmacy practice in community and hospital pharmacy settings <http://apps.who.int/medicinedocs/documents/s21088en/s21088en.pdf>

7. International health systems [http://www.pnhp.org/facts/international\\_health\\_systems.php?page=all](http://www.pnhp.org/facts/international_health_systems.php?page=all)

8. The legal and regulatory framework for community pharmacies in the WHO European Region <https://apps.who.int/iris/bitstream/handle/10665/326394/9789289054249-eng.pdf>

9. Asset Management Ratios <https://courses.lumenlearning.com/boundless-finance/chapter/asset-management-ratios/>

10. Financial Analysis in Pharmacy Practice E-resource <https://pdfs.semanticscholar.org/3104/8f567e76089ed7d33c5224c3c4c0faec06bf.pdf>

### **Information resources, including the Internet**

1. Departments' site: [http://info.odmu.edu.ua/chair/economy\\_pharmacy/files](http://info.odmu.edu.ua/chair/economy_pharmacy/files)

2. Ministry of Health of Ukraine [http://www.moz.gov.ua/ua/portal/dn\\_20050719\\_360.html](http://www.moz.gov.ua/ua/portal/dn_20050719_360.html)

3. World Health Organization <http://www.who.int/>

4. National Scientific Medical Library of Ukraine <http://library.gov.ua/>

5. National Library of Ukraine named after V.I. Of Vernadsky <http://www.nbuv.gov.ua/>

6. HTA [E-resource]. <https://www.hta.ua>

7. FDA [E-resource]. - Access: <https://www.fda.gov>

8. WHO [E-resource]. - Access: <https://www.who.int>

## **EVALUATION**

There are various forms of control for classes (oral, written, combined, testing, practical skills, etc.). The results of the academic progress for students exhibited in the form of evaluation on a national scale, 200-point scale, ECTS and have standardized generic assessment criteria:

### **Criteria for assessing the student's current learning activity**

<p><b>grade "excellent" ("5")</b> grade "excellent" ("5") is given to a student who systematically worked during the term, has showed versatile and deep knowledge of the program content during the graded test, is able to successfully complete the tasks provided for by the program, has mastered the content of the main and additional literature, realized the relationship of individual sections of the discipline, their importance for the future profession, identified creative ability to understand and use educational and program materials, showed the ability to independently replenish and update knowledge; high level of competence (creative)</p>
<p><b>grade "good" ("4")</b> is given to a student who has revealed complete knowledge of the educational and program materials, successfully completes the tasks provided for by the program, has mastered the basic literature recommended by the program, has shown a sufficient level of knowledge in the discipline and is capable of independently updating and replenishing them in the course of further education and professional activity; the level of competence is sufficient (constructive - variation)</p>
<p><b>grade "satisfactory" ("3")</b> is given to a student who has revealed knowledge of the basic educational and program materials in the amount necessary for further training and subsequent work in the profession, copes with the tasks provided for by the program, made some mistakes in the answers on the exam and when performing the exam tasks, but has the necessary knowledge to overcome mistakes made under the guidance of a scientific and pedagogical worker; the level of competence is medium (reproductive).</p>
<p><b>grade "unsatisfactory" ("2")</b> is given to a student who did not reveal sufficient knowledge of the basic educational and program materials, made fundamental mistakes in performing the tasks provided for in the program, cannot use knowledge in further training without the help of a teacher, could not master the skills of independent work, the level of competence is low (reciprocal-productive).</p>

### **Current control**

Current control is carried out at each practical class through oral questioning or written control. After studying each section, based on the control of theoretical knowledge, practical skills and abilities, the control of the acquisition of practical skills is carried out. The student's current educational activity is assessed in a practical class on a 4-point (traditional) scale.

### **Final control**

The form of the final control is a graded test, which is assessed on a 4-point scale.

A graded test is carried out at the last practical class based on the results of the final interview with the obligatory performance by the student of all types of work stipulated by the work curriculum (subject to attending all classes, receiving a positive assessment to control the development of practical skills) and rated for current educational activities on average not less 3.00.

The means of diagnosing the assimilation of the material is the control of the implementation of practical skills (2 situational tasks), an oral answer to 2 theoretical questions.

The grade received for the answer on the graded test and the average current academic performance in the study of the discipline are used to calculate the arithmetic mean, which is the overall grade for the discipline.

In the student's record book, the teacher enters the grade for the discipline on the traditional and 200-point scale.

A multi-point scale characterizes the actual progress of each student in mastering the academic discipline. The conversion of the traditional grade in the discipline into a 200-point grade is carried out by the information and computing center of the university by the "Contingent" program according to the formula:

$$\text{grade point average (current / by discipline) x 40}$$

national grade	points
«5»	185-200
«4»	151-184
«3»	120-150

### ECTS scale

The ECTS rating scale evaluates the achievements of students in the discipline who study in one course of one specialty, according to the points they received, by ranking, namely:

ECTS score	Statistical indicator
"A"	top 10% of students
"B"	next 25% of students
"C"	next 30% of students
"D"	next 25% of students
"E"	the remaining 10% of students

The ECTS scale establishes the student's belonging to the group of the best or worst among the reference group of fellow students (faculty, specialty), that is his rating. When converting from a multi-point scale, as a rule, the boundaries of grades "A", "B", "C", "D", "E" do not coincide with the boundaries of grades "5", "4", "3" on the traditional scale. The "A" grade on the ECTS scale cannot be equal to the "excellent" grade, and the "B" grade - the "good" grade, etc.

Students who have received grades "FX" and "F" ("2") are not included in the list of ranking students. Such students, after retaking, automatically receive an "E" score.

The mark "FX" is given to students who have scored the minimum number of points for the current educational activity, but who are not credited with the final

control. Grade "F" is given to students, attended all classroom lessons in the discipline, but did not score an average score (3.00) for the current educational activity and were not admitted to the final control.

### **Independent work of students.**

Independent work in the study of the discipline is provided by methodological developments for the independent work of students, visual teaching aids (presentations, educational films etc.), the information resource of the department, the topic of independent tasks for each task, algorithms for the implementation of practical skills, algorithms for self- and mutual control of knowledge

Independent work of students, which is provided by the topic of the class along with classroom work, is assessed during the current control of the topic in the corresponding practical class. The assimilation of topics that are taken out only for independent work is checked during a graded test.

## **COURSE POLICY**

### ***Deadline and retake policy***

Students for education are expected to attend all lectures and practical classes. If they missed classes, it is necessary to make-up them (according to the schedule posted on the information stand of the department and according to the permission of the dean's office, if necessary).

The retake of the control of the acquisition of practical skills is carried out during the semester on an individual basis with the determination of the time of the training.

Retake of unsatisfactory grades is carried out during the term of studying the discipline, provided that the average score for the current educational activity is less than 3.00 (carried out according to the schedule posted on the information stand of the department).

### ***Academic Virtue Policy***

Respect for academic virtue by education seekers includes:

- independent fulfillment of educational tasks, tasks of current and final control (current controls and discipline exam) of learning outcomes (for persons with special educational needs, this requirement is applied taking into account their individual needs and capabilities);

- links to sources of information when using ideas, developments, statements, information;

- provision of reliable information about the results of their own (scientific, creative) activities, the research methods used and sources of information.

It is unacceptable in educational activities for participants in the educational process to use prohibited auxiliary materials or technical means (crib notes, earpieces, phones, smartphones, tablets, etc.) during control events.

For violation of academic virtue, education seekers may be held liable for such academic responsibility

- decrease in the results of assessment (control work, exam);

- re-passing the assessment (test, exam);
- appointment of additional control measures (additional individual tasks, control works, tests, etc.).

### *Attendance policy*

Attendance at lectures and practical classes is compulsory. If you are more than 15 minutes late, the lesson is considered missed and requires working out.

### *Mobile devices*

During practical exercises, the use of a smartphone, tablet or other device for storing and processing information is allowed only with the permission of the tutor.

When conducting any form of control, the use of mobile devices and their accessories is strictly prohibited.

### *Audience behavior*

During the classes it is allowed: to leave the audience for a short time, if necessary and with the permission of the teacher; photograph presentation slides; actively participate in the class.

During the lessons it is prohibited: to eat (except for persons whose special medical condition requires another - in this case, medical confirmation is required), smoking, drinking alcoholic and low-alcohol drinks or drugs; use obscene language or use words that offend the honor and dignity of colleagues and faculty; gamble; damage the material and technical base of the university (spoil inventory, equipment; furniture, walls, floors, litter premises and territories), make noise, shout or listen to loud music in classrooms and even in the corridors during classes.