

SYLLABUS OF THE EDUCATIONAL COMPONENT

SOCIAL PHARMACY

for applicants for higher education of 5 year of study (4,10 year of study)
of educational program «Pharmacy»
in specialty «226 Pharmacy, industrial pharmacy»
field of knowledge «22 Health Care»
training for second (master) level

TEACHERS



VOLKOVA
Alina Viktorivna

volkova.nuph@gmail.com



SURIKOVA
Iryna Oleksandrivna

surikova.iryna@gmail.com

- 1. The name of higher education establishment and department:** National University of Pharmacy, Department of Social Pharmacy.
- 2. Address of the department:** Kharkiv, Valentinovskaya street, 4, 4th floor, phone 057-67-91-81.
- 3. Website of the department:** <http://socpharm.nuph.edu.ua>
- 4. Information about teachers:**

Volkova Alina Viktorivna – candidate of Pharmaceutical Sciences, Associate Professor, Head of the Department of Social Pharmacy. Experience of scientific and pedagogical activity – 14 years. Teaches educational components "Introduction to the specialty", "Pharmaceutical law and legislation", "Social pharmacy", "Pharmaceutical Marketing and Management", "Academic Integrity". Research interests: socio-economic and regulatory aspects of pharmaceutical provision of the population.

Surikova Iryna Oleksandrivna – candidate of Pharmaceutical Sciences, Assistant of the Department of Social Pharmacy. Experience of scientific and pedagogical activity – 5 years. Teaches educational components: "Introduction to the specialty", "Pharmaceutical law and legislation", "Organization and economics of pharmacies", "Social pharmacy". Research interests: regulatory and legal regulation of medical and pharmaceutical activities, the formation of the principles of social pharmacy in national practice.

5. Consultations take place in an online format according to the teachers' schedule posted on the department's website.

6. Brief summary of the educational component: The subject of the study of social pharmacy is the health of citizens, the study of dependence on the influence of a complex of social, psychological, and environmental factors. Social pharmacy combines pharmacy with economics, law, sociology, political science, psychology, informatics, management, demography and statistics and other sciences, characterizes the state of health of the population, the effectiveness of the system of health care and pharmaceutical provision of the population. Social pharmacy can be considered as an interdisciplinary and interdisciplinary

science that combines fundamental, clinical and sociological sciences, where it is possible to implement pharmaceutical professions at the social level, taking into account the impact of legislation on pharmaceutical activity, the health of the population, the economy of the country, the level of training and availability of specialists, patient compliance.

7. The purpose statement of studying the educational component: formation of systematic knowledge on socio-economic aspects of the organization of pharmaceutical support at the macro- and microeconomic levels, as well as the formation of professionally important skills to implement socio-economic mechanisms to ensure access to pharmaceutical care.

8. Competences in accordance with the educational program:

Soft- skills / General competences (CG):

GK 1. Ability to act socially responsible and civic conscious.

GK 2. Ability to apply knowledge in practical situations, make informed decisions.

GK 4. Ability to abstract thinking, analysis and synthesis, to learn and be modernly trained.

GK 5. Ability to show initiative and entrepreneurship.

GK 6. Knowledge and understanding of the subject area and understanding of professional activity.

GK 7. Ability to adapt and act in a new situation.

GK 12. Ability to conduct research at the appropriate level.

Hard-skills / Professional (special) competences (PC):

PC 1. Ability to conduct sanitary and educational work among the population to prevent common diseases, prevent dangerous infectious, viral and parasitic diseases, as well as to facilitate the timely detection and maintenance of adherence to treatment of these diseases in accordance with their medical and biological characteristics and microbiological characteristics.

PC 11. Ability to analyze socio-economic processes in pharmacy, forms, methods and functions of the pharmaceutical supply system and its components in world practice, indicators of need, efficiency and availability of pharmaceutical care in terms of health insurance and reimbursement of the cost of medications.

9. The program learning outcomes: (PLO):

PLO 4. To demonstrate the ability to independently search, analyze and synthesize information from various sources and use these results to solve typical and complex specialized tasks of professional activity.

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

PLO 7. To perform professional activities using creative methods and approaches

PLO 12. To analyze the information obtained as a result of scientific research, summarize, systematize and use it in professional activities.

PLO 13. To carry out sanitary and educational work in professional activity in case of outbreaks of infectious, viral and parasitic diseases

PLO 23. To take into account the data on socio-economic processes in society for the pharmaceutical provision of the population, determine the effectiveness and availability of pharmaceutical care in terms of health insurance and reimbursement of the cost of medicines.

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

10. Status of the educational component: compulsory

11. Prerequisites of the educational component: the educational component is based on the study of such educational components as ethics and deontology in pharmacy, organization and economy of pharmacy, clinical pharmacy and pharmaceutical care and is integrated with such educational components as pharmaceutical law and legislation, pharmacoeconomics

12. The volume of the educational component: 3 ECTS credits: 90 hours of classroom attendance, 10 of them are lectures, 30 hours are practical classes, 50 hours of individual work.

13. Organization of training:

The format of teaching the educational component: conducting lectures and practical classes for a better understanding of the topic.

Content of the educational component:

Content module 1. *Theoretical bases and directions of realization of social policy in providing the population with medicines*

Topic 1. *International experience of formation and development of social pharmacy*

Topic 2. *The concept of social pharmacy as a component of a modern and effective pharmaceutical sector of health care*

Topic 3. *Rational pharmacotherapy as the main element of effective and safe pharmaceutical supply*

Topic 4. *Pharmacoepidemiology as a component of social pharmacy*

Topic 5. *Socially effective mechanisms for ensuring the availability of pharmaceutical care to the population*

Content module 2. *Moral and ethical and legal bases of work of pharmaceutical workers. Legal bases and information support of pharmaceutical activity.*

Topic 6. *Quality management of pharmaceutical supply*

Topic 7. *The role of the pharmaceutical worker at the modern stage of development of pharmacy*

Topic 8. *Modern information systems and informatization of health care*

Topic 9. *World experience in health care and pharmacy reform. Health literacy as one of the key elements of an international health strategy*

14. Forms and types of academic achievements supervision:

Forms and types of academic achievements supervision

Progress supervision: oral survey, writing test tasks, solving situational (calculation) problems. For each topic student can get minimum – 6, maximum – 10.

Supervision of content modules: 2 content modules are provided. CM1 and CM2 includes answers to test tasks (matching term with definition) and solving a situational task

Semester control form: semester credit

Conditions for admission to the supervision of content modules: for admission to the supervision of content module 2, it is necessary to have a minimum number of points for the topics (classes) of content module 1, for the supervision of content module 1

Conditions for admission to semester supervision: a current rating of more than 60 points, absence of missed laboratory, practical and seminar classes, fulfillment of all requirements stipulated in the work program of the educational component.

14. Evaluation system of the educational component

The evaluation system for the educational component.

The results of the semester control in the form of a semester credit are evaluated on a 100-point, undifferentiated scale ("passed", "failed") and on the ECTS scale.

During the study of the discipline, there are two current controls of content modules.

Rating system for assessing students' knowledge

Ongoing assessment and independent work										
Module 1										
T1	T2	T3	T4	T5	Control of CM 1	T6	T7	T8	T9	Control of CM 2
10	10	10	10	10	15	10	10	10	10	15
55						45				
100										

The following scoring system is used for each topic (minimum number of points for one topic 6 points, maximum – 10 points):

Assessment of practical skills - students are given from 0 to 5 points:			
Type of task being assessed	System evaluation knowledge, points	Evaluation criteria	
Practical (situational) task	from 0 to 5,0	1,5-2,0	The practical task (situational task) is performed by the student independently without errors.
		0,5-1,0	The practical task was performed independently, however, mistakes were made in the using of legal acts, interpretation of terms, principles of preparation of multimedia materials, etc.
		0	The student could not perform practical and situational tasks, did not draw up a working journal.
Assessment of theoretical knowledge, practical skills and abilities - applicants for higher education are given from 0 to 5 points:			
Assessment of theoretical knowledge, practical skills and abilities (written or oral answer)	from 0 to 5,0	4,5-5,0	is given to student who at the oral or written answer to a question has revealed comprehensive, systematized, deep knowledge of a program material, is able to interpret the received results competently; demonstrate knowledge of basic and additional literature provided at the level of creative use
		2,5-4,0	is given to the student, if during the oral or written answer to the question the applicant for higher education revealed complete knowledge of the program material, provided at the level of similar reproduction, but made some insignificant errors
		1,0-2,5	is given, if during the oral or written answer to the question the student found insufficient knowledge of the main program material, in the amount necessary for further study and work provided by the program at the level of reproductive reproduction.
		0	is given, if at the oral or written answer to a question the student has found serious gaps in knowledge of the basic material, has made fundamental mistakes.

The control of CM1 and CM2 is estimated by the answer of ticket. The structure of the ticket: 6 tasks to establish the matching between the term and definition, and 1 practical task (calculation). Each correct matching is scored 1 point, total maximum for theoretical tests is 6. The practical (calculation) task is scored a minimum 6 maximum 9. Answer for practical task 2 includes making calculations for solving situational task (maximum 6 points) + formulation of conclusions (maximum 3 points). The sum of points for control CM1 and CM2 is a maximum of 15 points.

Points from the educational component are calculated according to the following ratio:

Types of evaluation	Maximum number of points (% of the number of points per module - for content modules)
Module 1	
Content module 1: Theoretical bases and directions of realization of social policy in providing the population with medicines <i>For example,</i> - evaluation of topics (1-5) (work in classes 1-4): work in classes (oral survey, writing test tasks, solving situational (calculation) problems); - supervision of content module 1 (writing test tasks, solving situational (calculation) tasks)	55 (55 %)
Content module 2: Moral and ethical and legal bases of work of pharmaceutical workers. Legal bases and information support of pharmaceutical activity <i>For example,</i> - evaluation of topics (6-9) (work in classes 5-8): work in classes (oral survey, writing test tasks, solving situational (calculation) problems); - supervision of content module 2 (writing test tasks, solving situational (calculation) tasks)	45 (45 %)
Semester Supervision of Module 1	100

The individual work of applicants for higher education is evaluated during the progress supervision and during the content module supervision

16. Academic policies of the educational component:

It is based on the principles of academic integrity stated in the POL "On measures to prevent cases of

academic plagiarism at the National University of Pharmacy". Cheating during the evaluation of an applicant for higher education during supervision activities in practical (seminar, laboratory) classes, supervision of content modules and the semester exam is prohibited (including the use of mobile devices). Abstracts must have correct text references to the used literature. The detection of signs of academic dishonesty in the student's written work is a reason for the teacher not to credit it.

Class attendance policy. An applicant for higher education is obliged to attend classes (POL "On the organization of the educational process of the National University of Pharmacy ") according to the schedule (<https://nuph.edu.ua/rozklad-zanyat/>), to observe ethical norms of behavior.

Policy regarding deadlines, working out, rating increase, liquidation of academic debts. The completion of missed classes by an applicant for higher education is carried out in accordance with the POL "Regulations on the completion of missed classes by applicants and the procedure for eliminating academic differences in the curricula of the National University of Pharmacy" in accordance with the schedule for working out missed classes established by the department. Increasing the rating and liquidating academic debts from the educational component is carried out by the applicants in accordance with the procedure specified in the POL "On the procedure for evaluating the results of training of applicants for higher education at the National University of Pharmacy ". Applicants of higher education are obliged to comply with all deadlines set by the department for the completion of written works from the educational component. Works that are submitted late without valid reasons are assessed at a lower grade - up to 20% of the maximum number of points for this type of work.

Policy on appeals of evaluation of the educational component (appeals). Applicants for higher education have the right to contest (appeal) the evaluation of the educational component obtained during control measures. The appeal is carried out in accordance with the POL "Regulations on appealing the results of the final supervision of knowledge by applicants of higher education at the National University of Pharmacy".

17. Information and educational and methodical support of the discipline:

The main reading suggestions	<ol style="list-style-type: none"> 1. Lecture material (multimedia presentations, lecture texts) 2. Methodical instructions for practical tasks.
Supplementary reading suggestions for in-depth study of the educational component	<ol style="list-style-type: none"> 1. Adusumilli PK. Drug related problems: an overview of various classification systems / PK Adusumilli, R Adepu // Asian Journal of Pharmaceutical and Clinical Research. – 2014, Vol 7, Issue 4 – P. 7 – 10 2. Almarsdottir A.B. Opportunities and challenges in social pharmacy and pharmacy practice research / A.B. Almarsdottir, S. Kaae, J.M. Traulsen // Research in Social and Administrative Pharmacy. – 2014. – Vol. 10(1). – P. 252–255. 3. Sheridan Janie. What is social pharmacy? An overview / J. Sheridan // Japanese Journal of Social Pharmacy. – 2015. – Vol. 34 (2). – P. 141–45. doi : 10.14925/jjsp.34.2_141.
Current electronic information resources (magazines, websites) for in-depth study of the educational component	<ol style="list-style-type: none"> 1. World Health Organization. Official website. [Electronic resource]. – Access mode: https://www.who.int/home 2. WHO model list of essential medicines - 21st list, 2019. [Electronic resource]. – Access mode: https://www.who.int/publications/i/item/WHOMVPEMPIAU2019.06 3. WHO Model List of Essential Medicines for Children - 7th list, 2019. [Electronic resource]. – Access mode: https://www.who.int/publications/i/item/WHOMVPEMPIAU201907 4. WHO Collaborating Centre for Drug Statistics Methodology. ATC/DDD Index 2020. [Electronic resource]. – Access mode: https://www.whocc.no/atc_ddd_index/ 5. The WHO Programme for International Drug Monitoring [Electronic resource]. – Access mode: https://www.who-umc.org/global-pharmacovigilance/who-programme-for-international-drug-monitoring/ 6. WHO Programme for International Drug Monitoring. VigiAccess. [Electronic resource]. – Access mode: http://www.vigiaccess.org/
Moodle distance learning system	https://pharmel.kharkiv.edu/moodle/course/view.php?id=2724

18. Technical and computer soft: computers for testing, a multimedia projector for lectures, Internet access; video conferencing software ZOOM, modular object-oriented dynamic learning environment MOODLE 3.9.8.