

ЛЬВІВСЬКИЙ НАЦІОНАЛЬНИЙ МЕДИЧНИЙ УНІВЕРСИТЕТ
ІМЕНІ ДАНИЛА ГАЛИЦЬКОГО


Кафедра організації та економіки фармації




НАВЧАЛЬНА ПРОГРАМА ДИСЦИПЛІНИ

СОЦІАЛЬНА ФАРМАЦІЯ
(назва навчальної дисципліни)

підготовки фахівців другого (магістерського) рівня вищої освіти
галузі знань 22 «Охорона здоров'я»
спеціальності 226 «Фармація, промислова фармація»
для студентів 5 курсу фармацевтичного факультету
ОК 25.2

Обговорено та ухвалено
на методичному засіданні кафедри
організації та економіки фармації
Протокол №11
від "23" червня 2023 р.
Завідувач кафедри
 проф. Б.П.Громовик

Затверджено
профільною методичною комісією
з хімічних та фармацевтичних дисциплін
Протокол № 3
від "27" червня 2023 р.
Голова профільної методичної комісії
 проф. С.Б.Білоус

DANYLO HALYTSKY LVIV NATIONAL MEDICAL UNIVERSITY
DEPARTMENT OF ORGANIZATION AND ECONOMICS OF PHARMACY

Approved by:
First Vice-Rector
for Research and Teaching
assoc. prof. Solonynko I.I. _____

“ _____ ” _____ 2023 y.

CURRICULUM OF THE DISCIPLINE

"SOCIAL PHARMACY"
(name of an academic discipline)

**training of specialists of the second (master's) level of higher education
in the field of knowledge 22 "Health"
specialty 226 "Pharmacy, industrial pharmacy"
for 5th year students of the Faculty of Pharmacy**

Discussed and approved at the methodical
meeting of the department of organization and
economics of pharmacy
June 23, 2023
Protocol No 11
Head of the department
_____ Prof. Hromovyk B.P.

Approved by the profile methodical
commission on chemical and pharmaceutical
disciplines
June 27, 2023
Protocol No 3
Head of the methodical commission
_____ Prof. S. B. Bilous

Lviv 2023

PROGRAMME DEVELOPER - employees of the department of organization and economics of pharmacy: B.P. Hromovyk, head of the department (a Professor, a Doctor of Pharmacy), I. Ya. Horodetska (an Associated Professor, a Candidate of Pharmacy), L. M. Kornienko (an Associated Professor, a Candidate of Pharmacy).

REVIEWER: an Associated Professor of the department of the technology of medicines and biopharmacy of Danylo Halytsky Lviv National Medical University, a Candidate of Pharmacy O. V. Yakymiv.

INTRODUCTION

The program of study of the discipline "**Social Pharmacy**» according to the Educational and professional program "Pharmacy, industrial pharmacy" of the second (master's) level of knowledge 22 "Health" specialty 226 "Pharmacy, industrial pharmacy" of Danylo Halytsky Lviv National Medical University named after.

Course description (portfolio): Social pharmacy as a discipline studies the theoretical and methodological foundations of socio-economic aspects of professional activity in the field of pharmacy and improving the mechanisms of availability of pharmaceutical care.

The structure of the discipline	Number of credits, hours				Year of study semester	Type of control
	Total	Classwork		Homework		
		Lectures (hours)	Practical classes (hours)			
Course title: Social pharmacy	Full-time education				5th year (9 semester)	test
	3 credits / 90 hours	8 hours	30 hours	52 hours		

The subject of study of the discipline is the theoretical and methodological foundations of social pharmacy.

Interdisciplinary links: The discipline "Social Pharmacy" is integrated with the disciplines studied in accordance with the curriculum: "Ethics and Deontology in Pharmacy", "Pharmaceutical Law and Legislation", "Organization and Economics of Pharmacy", "Pharmaceutical Management and Marketing", "Clinical Pharmacy and Pharmaceutical Care", "Pharmacoeconomics", which involves its teaching with the formation of skills to apply knowledge of the discipline in the process of further study, as well as in professional activities.

1. The purpose and objectives of the discipline

1.1. The purpose of teaching the discipline "Social Pharmacy" is the formation of higher education systemic knowledge of 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.

1.2. The main tasks of studying the discipline "Social Pharmacy" are the acquisition by graduates of special knowledge and skills on the theoretical foundations of social policy in providing the population with medicines and medical devices; use of the legal framework for regulating the social and economic aspects of pharmaceutical activities; conducting a comprehensive analysis of the main socio-economic indicators of the effectiveness of pharmaceutical supply to the population; adherence to the basic principles of social responsibility in the implementation of professional activities by specialists in the pharmaceutical sector of health care.

1.3 Competences and learning outcomes, the formation of which is facilitated by the discipline (relationship with the normative content of training of higher education, formulated in terms of learning outcomes in the Standard of Higher Education).

In accordance with the requirements of the Standard of Higher Education, the discipline provides students with the acquisition of *competencies*:

- *general competencies (GC):*

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

GC 2. Ability to apply knowledge in practical situations.

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

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

GC 8. 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 9. Skills in the use of information and communication technologies.

- *special (professional competencies):*

PC 8. Ability to organize the activities of pharmacies to provide the population, health care facilities with medicines and other products of the pharmacy range and implement appropriate reporting and accounting systems (management, statistical accounting and financial) in accordance with the requirements of National Medical Policy, Good Pharmacy Practice (GPP) and carry out commodity analysis, administrative record keeping, taking into account the organizational and legal norms of pharmaceutical legislation.

PC 9. Ability to analyse and forecast the main economic indicators of pharmacies, to calculate basic taxes and fees, to form prices for medicines and medical devices in accordance with current legislation of Ukraine.

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

PC 12. Ability to use in professional activities knowledge of regulations, legislation of Ukraine and recommendations of good pharmaceutical practices.

Detailing of competencies according to NQF descriptors in the form of "Competence Matrix".

Competence matrix

No	Competence	Knowledge	Skills	Communication	Autonomy and responsibility
General Competences (GC)					
GC1	Ability to act socially responsible and civic conscious.	Know your social and community rights and responsibilities	To form one's civic consciousness, to be able to act in accordance with it	Ability to convey one's public and social position	Be responsible for your civic position and activities
GC 2	Ability to apply knowledge in practical situations.	Know the methods of implementing knowledge in solving practical problems	Be able to use professional knowledge to solve practical situations	Establish links with the subjects of practical activities.	Be responsible for the timeliness of decisions
GC 4	Ability to abstract thinking, analysis and synthesis, to learn.	Know the current trends in the industry and analyse them	Be able to analyse professional information, make informed decisions, acquire modern knowledge	Establish appropriate links to achieve goals.	Be responsible for the timely acquisition of modern knowledge
GC 6	Knowledge and	Know the structure	Be able to carry	To form a	Be responsible for

	understanding of the subject area and understanding of professional activity.	and features of professional activity.	out professional activities that require updating and integration of knowledge	communication strategy in professional activity.	professional development with high level of autonomy
GC 8	Ability to communicate in the state language both orally and in writing, the ability to communicate in a foreign language (mostly English) at a level that ensures effective professional activity.	Have a perfect knowledge of the state language and basic knowledge of a foreign language	Be able to apply knowledge of the state language, both orally and in writing, be able to communicate in a foreign language	Use the state language in professional and business communication and in the preparation of documents. Use a foreign language in professional activities	Be responsible for fluency in the native language
GC 9	Skills in the use of information and communication technologies	Know the official information sources in the field of professional activity	Be able to use and cooperate with the official websites of regulatory and regulatory authorities, reference resources, etc.	Carry out professional communications on the Internet	Be responsible for the late implementation of mandatory communications
Professional competencies of the specialty (PC)					
PC 8	Ability to organize the activities of pharmacies to provide the population, health care facilities with medicines and other products of the pharmacy range and implement appropriate reporting and accounting systems (management, statistical accounting and financial) in accordance with the requirements of National Medical Policy, Good Pharmacy Practice (GPP) and carry out commodity analysis, administrative record keeping, taking into account the organizational and legal norms of	Know the main provisions of current tax legislation, principles of calculation, analysis and forecasting of key indicators of economic and financial activities of pharmacies	Ability to determine, analyse and forecast the main economic indicators of pharmacies, calculate mandatory taxes and fees	Establish appropriate links to achieve goals	Be responsible for compliance with pharmaceutical legislation in the field of administrative records, the use of appropriate reporting systems and management, statistical accounting and financial accounting

	pharmaceutical legislation.				
PC 9	Ability to analyse and forecast the main economic indicators of pharmacies, to calculate basic taxes and fees, to form prices for medicines and medical devices in accordance with current legislation of Ukraine.	Know the methods of analysis of economic activity of pharmacies, calculation of basic taxes and fees, pricing of medicines	Have methods of analysis of economic and economic activities of pharmacies, calculation of basic taxes and fees, pricing of medicines	Carry out professional communications with controlling organizations	Be responsible for compliance with the legislation on business taxation and pricing of medicines
PC 11	Ability to analyse socio-economic processes in pharmacy, forms, methods and functions of the pharmaceutical supply system and its components in world practice, indicators of the need for efficiency and availability of pharmaceutical care in terms of health insurance and reimbursement of the cost of drugs.	Know: the organizational structure of the pharmaceutical supply system in Ukraine; organizational and methodological principles of definition and basic mechanisms for ensuring the availability of pharmaceutical care to the population; medical and social indicators of society development; indicators of the need for pharmaceutical care and approaches to determining the degree of its satisfaction; modern principles of world practice in providing pharmaceutical care to socially vulnerable groups: children, women, the elderly, patients with severe and orphan diseases; basics of state social policy, methods and indicators of its effectiveness; functioning of the system of reimbursement of the cost of pharmaceutical care;	Analyse indicators of efficiency and availability of pharmaceutical care. Draw conclusions about the impact of socioeconomic factors on health, I population	To form a communication strategy in professional activity.	Be responsible for providing quality pharmaceutical care at the level of the business entity

		basics of social partnership and social responsibility in pharmacy			
PC 12	Ability to use in professional activities knowledge of regulations, legislation of Ukraine and recommendations of good pharmaceutical practices.	Know the regulatory and legal framework of Ukraine, a set of good pharmaceutical practices that regulate the requirements for professional activity	Be able to apply knowledge of regulations, legislation of Ukraine and recommendations of good pharmaceutical practices in practice	Draw conclusions and professionally applied laws and regulations documents	Be responsible for quality and timely application normative documents in professional activities

Learning outcomes (program learning outcomes (PLO)):

PLO 1. Carry out professional activities in social interaction based on humanistic and ethical principles; identify future professional activity as socially significant for human health (GC 1, GC 6, PC 11).

PLO 2. Apply knowledge of general and professional disciplines in professional activities (GC 2, GC 4, GC 6, PC 8, PC 9, PC 11, PC 12).

PLO 4. Demonstrate the ability to independently search, analyze and synthesize information from various sources and use these results to solve typical problems of professional activity (GC 2, GC 4, GC 9, PC 12).

PLO 6. Argue information for decision-making, be responsible for them in standard and non-standard professional situations; adhere to the principles of deontology and ethics in professional activities (LC 2, LC 6, LC 9, FC 11).

PLO 7. Perform professional activities using creative methods and approaches (GC 4, GC 9, PC 11).

PLO 8. Carry out professional communication in the state language, use the skills of oral communication in a foreign language, analysing texts of professional orientation and translate foreign information sources (GC 8).

PLO 9. Carry out professional activities using information technology, "Information databases", navigation systems, Internet resources, software and other information and communication technologies (GC 9, PC 8, PC12).

PLO 21. Calculate the main economic indicators of pharmacies, as well as taxes and fees. Form all types of prices (wholesale, purchase, retail and retail) for medicines and other products of the pharmacy range (GC 6, PC 8, PC 9, PC 11, PC 12).

PLO 23. Take into account data on socio-economic processes in society for the pharmaceutical supply of the population, determine the effectiveness and availability of pharmaceutical care in terms of health insurance and reimbursement of the cost of medicines (PC 11, PC 12).

PLO 24. To plan and implement professional activity on the basis of normative legal acts of Ukraine and recommendations of good pharmaceutical practices (GC 2, GC 6, PC 8, PC 12).

PLO 25. To promote health, in particular, disease prevention, rational use and use of medicines. Perform conscientiously their professional duties, comply with the law on the promotion and advertising of medicines. Possess psychological communication skills to achieve trust and mutual understanding with colleagues, doctors, patients, consumers. (GC 1, GC 6, GC 9, PC 8, PC 12).

Integrative final program learning outcomes, the formation of which is facilitated by the discipline: the ability to solve typical and complex specialized problems and practical problems in professional pharmaceutical activities using the provisions of legal documents, clearly and unambiguously communicate their conclusions and knowledge to professional and non-professional audience .

2. Information volume of the discipline

The study of the discipline is allocated 3 ECTS credits – 90 hours.

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

Topic 2. Socio-economic approaches to providing the population with medicines and medical devices.

Topic 3. State social guarantees to ensure the professional rights, benefits and income of pharmaceutical workers.

Topic 4. Social responsibility of the pharmaceutical business.

Topic 5. Social responsibility in the professional activities of pharmacy professionals.

Topic 6. Social pharmacy and law. Pharmaceutical self-government. Humanitarian and volunteer assistance.

Topic 7. The social significance of pharmaceutical prevention as a component of public health.

3. The structure of the discipline (full-time and part-time)

Topic	Lectures	Class-work	Individual work
Topic 1. Theoretical foundations and directions of social policy in providing the population with medicines.	1	2	6
Topic 2. Socio-economic approaches to providing the population with medicines and medical devices.	2	8	12
Topic 3. State social guarantees to ensure the professional rights, benefits and income of pharmaceutical workers.	1	4	8
Topic 4. Social responsibility of the pharmaceutical business.	1	4	6
Topic 5. Social responsibility in the professional activities of pharmacy professionals.	1	4	6
Topic 6. Social pharmacy and law. Pharmaceutical self-government. Humanitarian and volunteer assistance.	1	4	6
Topic 7. The social significance of pharmaceutical prevention as a component of public health.	1	4	8
Total hours 90/3 ECTS credits	8	30	52
Final control	Test		

4. Thematic plan of lectures

No	TOPIC	Number of hours	
1	Theoretical bases and directions of realization of social policy in providing the population with medicines.	1	
2	Socio-economic approaches to providing the population with medicines and medical devices.	2	
3	State social guarantees to ensure the professional rights, benefits and income of pharmaceutical workers.	1	
4	Social responsibility of the pharmaceutical business.	1	
5	Social responsibility in the professional activity of pharmacy specialists.	1	
6	Social pharmacy and law. Pharmaceutical self-government. Humanitarian and volunteer assistance.	1	
7	The social significance of pharmaceutical prevention as a component of maintaining public health.	1	
Total		8	

5. Thematic plan of practical classes

No	TOPIC	Number of hours	
1	Theoretical bases and directions of realization of social policy in providing the population with medicines.	2	
2	Socio-economic approaches to providing the population with medicines and medical devices.	8	
3	State social guarantees to ensure the professional rights, benefits and income of pharmaceutical workers.	4	
4	Social responsibility of the pharmaceutical business.	4	
5	Social responsibility in the professional activity of pharmacy specialists.	4	
6	Social pharmacy and law. Pharmaceutical self-government. Humanitarian and volunteer assistance.	4	
7	The social significance of pharmaceutical prevention as a component of maintaining public health.	4	
Total		30	

6. Thematic plan of individual work of students

No	TOPIC	Number of hours	
1	Theoretical bases and directions of realization of social policy in providing the population with medicines.	6	
2	Socio-economic approaches to providing the population with medicines and medical devices.	12	
3	State social guarantees to ensure the professional rights, benefits and income of pharmaceutical workers.	8	
4	Social responsibility of the pharmaceutical business.	6	
5	Social responsibility in the professional activity of pharmacy specialists.	6	
6	Social pharmacy and law. Pharmaceutical self-government. Humanitarian and volunteer assistance.	6	
7	The social significance of pharmaceutical prevention as a component of maintaining public health.	8	
Total		52	

7. Individual tasks – not planned in the working curriculum for the academic year.

8. Teaching methods. In the process of studying the discipline "Social Pharmacy" the following teaching methods are used:

- ☞ *by type of cognitive activity*: explanatory-illustrative; analytical, synthetic, inductive, deductive;
- ☞ *according to the main stages of the process*: formation of knowledge; application of knowledge; generalization; fixing; audit;
- ☞ *according to the system approach*: stimulation and motivation; control and self-control.
- ☞ *by sources of knowledge*: verbal story, conversation; visual demonstration, illustration.
- ☞ *by the level of independent mental activity*: problematic; partial search; research.

9. Methods of control:

- Types of control (current and final).

10. Current control is carried out during practical classes and aims to verify the assimilation of students' learning material. Current control includes verification of theoretical and practical training. During the assessment of mastering each topic for the current educational activity of the student grades are set on a 4-point (national) scale. This takes into account all types of work provided by the discipline program. The student must receive a grade from each topic for further conversion of grades into points on a multi-point (200-point) scale.

No	Type of work	max points	Score in points	Content of work
1	Work on a practical lesson	5	A) 2, 3, 4, 5 B) 2, 3, 4, 5	A) control of theoretical knowledge – testing (written, computer); B) control of the acquisition of practical skills – the implementation of practical tasks, modelling situations, research, explanation and evaluation of their results
2	Individual work		Credited / not credited	Elaboration of the main provisions of current regulations and implementation of certain tasks. It is assessed during the current control of mastering the topic in the relevant lesson.

Independent work of part-time students is provided in the form of control work. Assessment of the test is carried out on the traditional 4-point scale and is taken into account when calculating points for the current educational activities of students.

- The form of final control in accordance with the curriculum – credit.

11. Semester test is a form of final control, which consists in assessing the student's mastery of educational material solely on the basis of the results of his performance of certain types of work in practical, seminar or laboratory classes. Semester credit in disciplines is held after the end of its study, before the examination session.

12. Scheme of accrual and distribution of points received by students:

For disciplines the form of final control which is a test:

The maximum number of points that a student can score for the current educational activity in the study of the discipline is 200 points.

The minimum number of points that a student must score for the current academic activity to enrol in the discipline is 120 points.

The calculation of the number of points is based on the grades obtained by the student on a 4-point (national) scale during the study of the discipline, by calculating the arithmetic mean (CA), rounded to two decimal places. The resulting value is converted into points on a multi-point scale as follows: The scores of students studying in one specialty, taking into account the number of points earned in the discipline are ranked on the ECTS scale as follows:

ECTS assessment	Statistical indicator
A	The best 10% of students
B	The next 25% of students
C	The next 30% of students
D	The next 25% of students
E	The last 10% of students

Ranking with assignments of grades "A", "B", "C", "D", "E" is carried out for students of this course who study in one specialty and have successfully completed the study of the discipline. Students who receive grades FX, F ("2") are not included in the list of ranked students. Students with a grade of FX automatically receive an "E" score after retaking.

Discipline scores for students who have successfully completed the program are converted into a traditional 4-point scale according to the absolute criteria, which are given in the table below:

Points in the discipline	Score on a 4-point scale
From 170 to 200 points	5
From 140 to 169 points	4
From 139 points to the minimum number of points that a student must score	3
Below the minimum number of points that a student must score	2

The ECTS score is not converted to the traditional scale, as the ECTS scale and the four-point scale are independent. The objectivity of the assessment of students' learning activities is checked by statistical methods (correlation coefficient between ECTS assessment and assessment on a national scale).

12. Methodical support (educational content (extended plan of lectures, practical classes and independent work, questions for current and final control of knowledge and skills of students).

Extended plan of lectures, practical classes and independent work

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

Goals, values, priorities, key functions, strategies, problems and tasks of the health care system of Ukraine in modern conditions. Components of quality assessment of medical and pharmaceutical care. The concept of reforming the financing of the health care system. Formation and development of social pharmacy. Social significance of medicines. Indicators of drug availability. Organization of centralized procurement of medicines. Health insurance as a component of social policy of the state. National Health Service of Ukraine. eHealth is an electronic healthcare system.

Topic 2. Socio-economic approaches to providing the population with medicines and medical devices

State guarantees in the field of providing medicines to certain socially important diseases, socially dangerous and orphan diseases, unprotected segments of the population. System of public procurement of medicines, medical devices and technical means of rehabilitation in Ukraine. State Enterprise "Medical Procurement in Ukraine". Electronic procurement system. The procedure for dispensing medicines for free and on peripheral terms in the case of outpatient treatment of certain groups of the population and for certain categories of diseases. Implementation of pharmaceutical support of state, municipal and private treatment and prevention facilities. Reference pricing during public procurement. Features of setting the retail price for medicines, medical devices, and related pharmaceutical products for various forms of leave.

The main provisions of the regulatory framework of the government program "Affordable Medicines". Features of writing and accounting of electronic prescriptions. Mechanism of reimbursement to pharmacies of funds for dispensed drugs.

Topic 3. State social guarantees to ensure the professional rights, benefits and income of pharmaceutical workers

Regulatory regulation of professional rights and benefits for pharmaceutical workers. State social guarantees in the field of income. Criteria for determining the size of salaries of administrative and pharmaceutical staff of pharmacies. The order of accrual of various types of payments: wages, for work on holidays, for overtime work, part-time work, management of industrial practice, benefits in connection with temporary incapacity for work, etc. The procedure for accrual, withholding and payment of mandatory deductions from the income of individuals. Features of the application of social tax benefits. Tax rebate.

Topic 4. Social responsibility of the pharmaceutical business

Features of the mission of pharmaceutical business entities. Compliance with legal requirements and fair competition in the market. Increasing the social attractiveness of the pharmacy in modern conditions. Development of a package of social initiatives for a pharmacy: a mechanism for providing discounts to certain categories of the population, loyalty cards, loyalty programs, accumulative bonuses, etc. Participation of pharmaceutical companies in charitable and humanitarian projects.

Topic 5. Social responsibility in the professional activities of pharmacy professionals

Trends in the concept of social responsibility and its place in the management system. Substantiation of social responsibility in pharmacy on a personal level. Conceptual provisions and methodology of formation of social responsibility of pharmacy specialists. Peculiarities of providing pharmaceutical care to certain categories of patients (oncology patients, palliative patients, patients with rare diseases, geriatric patients, etc.).

Topic 6. Social pharmacy and law. Pharmaceutical self-government. Humanitarian and volunteer assistance

Contradictions and uncertainties of regulatory regulation of the pharmaceutical healthcare sector. Ways to solve practical problems caused by legislative contradictions. Social responsibility and control over compliance with the legislation in the field of advertising of medicines and related pharmacy products. Key problems of non-medical use of drugs and ways of their further decision. The social role of the pharmacist in preventing the release of drugs for non-medical use. Pharmaceutical self-government. The role of public organizations and associations in improving aspects of pharmaceutical care. Humanitarian and volunteer assistance.

Topic 7. The social significance of pharmaceutical prevention as a component of public health

Improving public literacy in health issues as one of the key elements of the WHO international strategy. Pharmaceutical aspects of maintaining health and promoting a healthy lifestyle. Social significance of pharmaceutical prevention. The role of pharmaceutical care in the release from pharmacies of drugs, medical devices and related products of the pharmacy range. Responsible self-medication and pharmaceutical care. Over-the-counter drugs in the implementation of the concept of responsible self-medication. Advantages and disadvantages of free access to information on the use of drugs by a wide range of consumers. Features of pharmaceutical support during the COVID-19 pandemic.

Questions for the current and final control of knowledge and skills of students answer the questions of the extended plan of practical classes and independent work.

13. Recommended literature

Basic resources

1. Громовик Б.П., Терещук С.І., Чухрай І.Л. Організація та економіка фармації / Б.П. Громовика, С.І. Терещук, І.Л. Чухрай. – Вінниця, Нова книга, 2009. – 816 с.
2. Котвіцька А.А. Соціальна фармація [Електронний ресурс] /А.А.Котвіцька// Фармацевтична енциклопедія. – Режим доступу: <https://www.pharmacencyclopedia.com.ua/article/6637/socialna-farmaciya>
3. Котвіцька А.А. Соціальна фармація як складова системи фармацевтичного забезпечення населення та міждисциплінарна наука /А.А.Котвіцька, І.В.Кубарева, О.О.Суриков, А.В.Волкова. – Соціальна фармація в Україні: стан, проблеми та перспективи: матер.всеукр.наук.-практ.Інтернет-конференції за участю міжнародних спеціалістів, 3 квітня 2013 р.: За ред.А.А.Котвіцької та ін. – Х. : Вид-во НФаУ, 2013. – С.14-28.
4. Котвіцька А.А. Вивчення основних етапів становлення та розвитку соціальної фармації у світі та Україні /А.А.Котвіцька, І.В.Кубарева, І.О.Сурикова// Фармацевтичний часопис. -2017. -№3(43). – С.70-76.
5. Котвіцька А.А. Вивчення змісту та передумов формування концепції соціальної фармації в країнах світу та в Україні //А.А.Котвіцька, І.В.Кубарева, І.О.Сурикова // Соціальна фармація в охороні здоров'я. – 2017. – Т.3,№ 4. – С.3-4.
6. Ткаченко Н.О. Соціальна відповідальність у професійній діяльності фармацевтичних працівників/ Н.О.Ткаченко; за наук.ред.проф. Б.П.Громовика. – Запоріжжя: Вид-во ЗДМУ, 2018. – 217 с.
7. Шаповал Н.М. Соціальна відповідальність бізнесу в структурі управління економікою: монографія / В.М.Шаповал; ДВНЗ «Нац. гірн.ун-т». – Д.: Держ. ВНЗ «НГУ», 2011. – 356 с.

Additional resources

1. Громовик Б.П. Інформаційне супроводження процесу фармакотерапії у паліативній та хоспісній медицині : монографія / Б.П. Громовик, С.Є. Прокіп. – Львів: Ліга-Прес, 2015. – 96 с.
2. Громовик Б.П. Менеджмент і маркетинг у фармації: підручник / Б.П. Громовик, Г.Д. Гасюк, О.Р. Левицька; за ред. д-ра фарм. наук, проф. Б.П. Громовика. – К.: Медицина, 2008. – 752 с.
3. Громовик Б.П. Неперервна фармацевтична освіта в Україні: науково-методичні аспекти управлінсько-економічної підготовки: монографія / Б.П. Громовик, А.В. Горілик. – Львів: Растр. – 7, 2012. – 166 с.
4. Громовик Б.П. Фармацевтична логістика : фокус на допомозі пацієнту : монографія / Б. П. Громовик, Л. М. Унгурян. – Львів: РАСТР-7, 2013. – 212 с.
5. Лебедь С.О. Історичні аспекти та сучасний стан фальсифікації лікарських засобів в Україні та світі: монографія; за науковою редакцією професора Б.П. Громовика / С.О. Лебедь. – Рівне: Волин. обереги, 2018. – 320 с.
6. Левицька О.Р. Ішемічний інсульт: клініко-фармацевтичні аспекти: монографія / О.Р. Левицька, Б.П. Громовик, А.Б. Зіменковський. – Львів: Ліга-прес. – 2014. – 224 с.
7. Сучасні аспекти фармацевтичної практики в Україні: колективна монографія / Б.П. Громовик, А.В. Горілик, І.Я. Городецька [та ін.]; за наук. ред. Б.П. Громовика – Львів: Ліга-Прес, 2014. – 386 с.
8. Сучасні аспекти фармацевтичної практики в Україні: колективна монографія. Випуск 2 / Б.П. Громовик, .В. Бушуєва, А.В. Горілик, [та ін.]; за наук. ред. Б.П. Громовика. – Львів: Ліга-Прес, 2017. – 253 с.

9. Ткаченко Н. О. Соціальна відповідальність у професійній діяльності фахівців фармації : монографія / Н. О. Ткаченко; за науковою редакцією професора Б. П. Громова. – Запоріжжя : Вид-во ЗДМУ, 2018. – 217 с.
10. Унгурян Л.М. Фармацевтична практика: логістичні, інформаційні, нейроекономічні та соціальні аспекти: монографія / Л.М. Унгурян, Б.П. Громовик. – Львів: Простір-М, 2016. – 155 с.
11. Фармацевтична допомога в геріатрії: прикладні аспекти: монографія / О.Є. Левицька, О.Р. Левицька, Б.П. Громовик, О.В. Парамош. – Львів: Растр-7. 2014. – 154 с.

Informational resources

1. Законодавство України [Електронний ресурс]. – Режим доступу: <https://zakon.rada.gov.ua/laws>.
2. Нормативно-директивні документи МОЗ України [Електронний ресурс]. – Режим доступу: <http://mozdocs.kiev.ua/>.
3. Державний реєстр лікарських засобів України. [Електронний ресурс]. – Режим доступу: <http://www.drلز.com.ua/ibp/ddsite.nsf/all/shlist?opendocument>.
4. Compendium online. [Електронний ресурс]. – Режим доступу: <https://compendium.com.ua/bad/>.
5. Еженедельник «Аптека» [Електронний ресурс]. – Режим доступу: <https://www.apteka.ua/>.
6. Пошукова база ліків [Електронний ресурс]. – Режим доступу: <https://tabletki.ua/uk/>.
7. Пошукова база ліків [Електронний ресурс]. – Режим доступу: <http://likicontrol.com.ua/>.
8. Пошукова база Medline [Електронний ресурс]. – Режим доступу: National Library of Medicine <https://www.nlm.nih.gov/bsd/medline.html>.
9. Пошукова база Medscape [Електронний ресурс]. – Режим доступу: Medscape <https://www.medscape.com/pharmacists>.
10. Пошукова база Cochrane Library [Електронний ресурс]. – Режим доступу: