THE COURSE SCHEDULE OF LECTURES
of **Clinical Pharmacy and Pharmaceutical Care** for **5**th year of speciality
226 Pharmacy, industrial pharmacy, educational program **Pharmacy**,
4 years 10 months of study, Language of Instruction — English,
groups **Фм18(5,0д)англ-01-02-03-04-05-06-07-08-09**
(spring semester, 2022-2023, module 2)

№	Date	Topic	Hour	Lecturer
		MODULE 2		
1.	19/01/23	Introduction to pharmaceutical care. Basic definitions of pharmaceutical care. Pharmaceutical care in symptomatic treatment of indigestion I (heartburn, constipation)	1	Professor V.A.Moroz
2.	26/01/23	Pharmaceutical care in symptomatic treatment of indigestion II (diarrhea, flatulence, dysbiosis)	1	Professor V.A.Moroz
3.	02/02/23	Pharmaceutical care in symptomatic treatment of cold I (sore throat, cough)	1	Professor V.A.Moroz
4.	09/02/23	Pharmaceutical care in symptomatic treatment of cold II (rhinitis, fever)	1	Professor V.A.Moroz
5.	16/02/23	Pharmaceutical care in symptomatic treatment of joint and muscle pain I	1	Professor V.A.Moroz
6.	23/02/23	Pharmaceutical care in symptomatic treatment of joint and muscle pain II	1	Professor V.A.Moroz
7.	02/03/23	Pharmaceutical care in symptomatic treatment of headache	1	Professor V.A.Moroz
8.	09/03/23	Pharmaceutical care during OTC drugs dispensing for symptomatic treatment of disorders of the nervous system activity I	1	Professor V.A.Moroz
9.	16/03/23	Pharmaceutical care during OTC drugs dispensing for symptomatic treatment of disorders of the nervous system activity II	1	Professor V.A.Moroz
10.	23/03/23	Pharmaceutical care during the dispensing of OTC-drugs for the symptomatic treatment of damages of skin and it's appendages (microtraumas, burns, frostbites, scabies, pediculosis, seborrhea, acne, herpes, mycosis)	1	Professor V.A.Moroz
11.	30/03/23	Pharmaceutical care while dispensing OTC-drugs for special groups of patients	1	Professor V.A.Moroz
12.	06/04/23	Pharmaceutical care during dispensing of OTC-drugs used for elimination and prevention of vitamin insufficient	1	Professor V.A.Moroz
13.	13/04/23	Pharmaceutical care of patients with local disorders of blood circulation	1	Professor V.A.Moroz
14.	20/04/23	Interaction of drugs with food and alcohol	1	Professor V.A.Moroz
		Total:	**14**	

Note: the lecture is delivered on Thursday at 11.20-12.05 as online ZOOM conference
clinpharm.nuph.edu.ua/en/for-students

Acting Head of Department of Clinical Pharmacology
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THE COURSE SCHEDULE OF PRACTICAL CLASSES
of **Clinical Pharmacy and Pharmaceutical Care** for **5**th year of speciality
226 Pharmacy, industrial pharmacy, educational program **Pharmacy**,
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(spring semester, 2022-2023, module 2)

№	Date	Topic	Hours, type of classes	Points min	Points max
		Thematic module 3. Pharmaceutical care during OTC drugs dispensing for symptomatic treatment of different disorders of well-being I			
1.	17/01/23 – 05, 06 18/01/23 – 07, 08 19/01/23 – 01, 02 20/01/23 – 03,04,09	Presentation The Report on the practice in Clinical Pharmacy. Introduction to pharmaceutical care	*4, Pr.Cl.*	—	—
2.	24/01/23 – 05, 06 25/01/23 – 07, 08 26/01/23 – 01, 02 27/01/23 – 03,04,09	Pharmaceutical care in symptomatic treatment of digestive disturbances (heartburn)	*4, Pr.Cl.*	3	5
3.	31/01/23 – 05, 06 01/02/23 – 07, 08 02/02/23 – 01, 02 03/02/23 – 03,04,09	Pharmaceutical care in symptomatic treatment of digestive disturbances (constipation, diarrhea, flatulence, bacteria overgrowth)	*4, Pr.Cl.*	3	5
4.	07/02/23 – 05, 06 08/02/23 – 07, 08 09/02/23 – 01, 02 10/02/23 – 03,04,09	Pharmaceutical care in symptomatic treatment of colds (sore throat, cough)	*4, Pr.Cl.*	3	5
5.	14/02/23 – 05, 06 15/02/23 – 07, 08 16/02/23 – 01, 02 17/02/23 – 03,04,09	Pharmaceutical care in symptomatic treatment of colds (rhinitis, fever)	*4, Pr.Cl.*	3	5
6.	21/02/23 – 05, 06 22/02/23 – 07, 08 23/02/23 – 01, 02 24/02/23 – 03,04,09	Pharmaceutical care in cold prevention. Flu, COVID-19 and vaccination. The latest protocols for COVID-19 prophylaxis and treatment	*4, Pr.Cl.*	3	5
7.	28/02/23 – 05, 06 01/03/23 – 07, 08 02/03/23 – 01, 02 03/03/23 – 03,04,09	Pharmaceutical care in symptomatic treatment of joint and muscle pain	*4, Pr.Cl.*	3	5
8.	07/03/23 – 05, 06 08/03/23 – 07, 08 09/03/23 – 01, 02 10/03/23 – 03,04,09	***Control of Thematic module 3***	*4, Pr.Cl.*	12	20
		Total for Thematic module 3:		30	50
		Thematic module 4. Pharmaceutical care during OTC drugs dispensing for symptomatic treatment of different disorders of well-being II			
9.	14/03/23 – 05, 06 15/03/23 – 07, 08 16/03/23 – 01, 02 17/03/23 – 03,04,09	Pharmaceutical care in symptomatic treatment of headache pain	*4, Pr.Cl.*	3	5
10.	21/03/23 – 05, 06 22/03/23 – 07, 08 23/03/23 – 01, 02 24/03/23 – 03,04,09	Pharmaceutical care during conventional or alternative therapy of insomnias	*4, Pr.Cl.*	3	5

№	Date	Topic	Hours, type of	Points min	max
11.	28/03/23 – 05, 06 29/03/23 – 07, 08 30/03/23 – 01, 02 31/03/23 – 03,04,09	Pharmaceutical care during conventional or alternative therapy of anxiety and asthenia	4, Pr.Cl.	3	5
12.	04/04/23 – 05, 06 05/04/23 – 07, 08 06/04/23 – 01, 02 07/04/23 – 03,04,09	Pharmaceutical care during the dispensing of OTC-drugs for the symptomatic treatment of damages of skin and it's appendages (microtraumas, burns, frostbites, scabies, pediculosis) I	4, Pr.Cl.	3	5
13.	11/04/23 – 05, 06 12/04/23 – 07, 08 13/04/23 – 01, 02 14/04/23 – 03,04,09	Pharmaceutical care during the dispensing of OTC-drugs for the symptomatic treatment of damages of skin and it's appendages (seborrhea, acne, herpes, mycosis) II	4, Pr.Cl.	3	5
14.	18/04/23 – 05, 06 19/04/23 – 07, 08 20/04/23 – 01, 02 21/04/23 – 03,04,09	Pharmaceutical care of special groups	4, Pr.Cl.	3	5
15.	25/04/23 – 05, 06 26/04/23 – 07, 08 27/04/23 – 01, 02 28/04/23 – 03,04,09	*Control of Thematic module 4*	4, Pr.Cl.	12	20
		Total for Thematic module 4:		30	50
		Module 1 Ranking Upgrade			
		Credit			
		TOTAL FOR MODULE 2	60	60	100
		EXAM			

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TOPICS FOR SELF-DIRECTED LEARNING
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№	TOPIC
	MODULE 2
1.	Practical functions of a pharmacist that are necessary for care realization (procedure of drug anamnesis gathering, working out the plan of monitoring of adverse drug reactions, preventive actions in possible manifestations of adverse drug reactions, etc.).
2.	Modern dosage forms for treatment of cold and peculiarities of their use. Non-medicament methods of elimination of symptoms of cold
3.	Modern dosage forms for treatment of indigestion and peculiarities of their use. Non-medicament methods of elimination of symptoms of indigestion
4.	Modern dosage forms for treatment of headache (quick-soluble tablets, capsules of the pro-longed action, etc.) and peculiarities of their use. Non-medicament methods of elimination of the headache
5.	Modern dosage forms for treatment of dysfunction of the musculoskeletal system (creams, gels) and peculiarities of their use. Non-medicament methods of elimination of muscle and joint pain
6.	Modern dosage forms for treatment of disorders of the nervous system activity (anxiety, asthenia, dyssomnia) and peculiarities of their use. Non-medicament methods of elimination of symptoms of the nervous system activity disorders
7.	Modern dosage forms for treatment and prevention of traumatic, infectious and parasitic skin lesions, peculiarities of their use. Non-medicament methods of elimination of symptoms of traumatic, infectious and parasitic skin lesions
8.	The algorithm of the appropriate information presentation by a pharmacist about OTC drugs for treatment of helminthiases while carrying out pharmaceutical care for visitors of chemist's shops/patients
9.	Criteria of efficiency of therapy with OTC drugs for elimination and prevention of vitamin deficiency. Signs of vitamin overdose, ways of its prevention and treatment

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THE QUESTIONS FOR THEMATIC MODULE CONTROLS #3 AND #4
of **Clinical Pharmacy and Pharmaceutical Care** for **5**th year of speciality
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1. Pharmaceutical care as the responsibility of a pharmacist for safety and efficiency of medicinal therapy.
2. The concept of definition, main principles of the modern concept of self-treatment.
3. Prescription and OTC medicines. Criteria on the basis of which drugs are classified as prescription or OTC ones.
4. Practical functions of a pharmacist required for carrying out pharmaceutical care.
5. Pharmaceutical care in symptomatic treatment of cough. The algorithm of choosing optimal OTC drugs, dosage form and the routes of administration.
6. Pharmaceutical care in symptomatic treatment and prevention of rhinitis. The algorithm of choosing optimal OTC drugs, dosage form and the routes of administration.
7. Pharmaceutical care in symptomatic treatment of a sore throat. The algorithm of choosing optimal OTC drugs, dosage form and the routes of administration.
8. Pharmaceutical care in symptomatic treatment of fever. The algorithm of choosing optimal OTC drugs, dosage form and the routes of administration.
9. Pharmaceutical care in choosing OTC drugs for prophylaxis of colds.
10. Pharmaceutical care in symptomatic treatment of heartburn. The algorithm of choosing optimal OTC drugs, dosage form and the routes of administration.
11. Pharmaceutical care in symptomatic treatment of constipation. The algorithm of choosing optimal OTC drugs, dosage form and the routes of administration.
12. Pharmaceutical care in symptomatic treatment of diarrhea. The algorithm of choosing optimal OTC drugs, dosage form and the routes of administration.
13. Pharmaceutical care in symptomatic treatment of flatulence. The algorithm of choosing optimal OTC drugs, dosage form and the routes of administration.
14. Pharmaceutical care in symptomatic treatment of dysbacteriosis. The algorithm of choosing optimal OTC drugs, dosage form and the routes of administration.
15. Pharmaceutical care in symptomatic treatment of headache. The algorithm of choosing optimal OTC drugs, dosage form and the routes of administration.
16. Pharmaceutical care in symptomatic treatment of joint pain. The algorithm of choosing optimal OTC drugs, dosage form and the routes of administration.
17. Pharmaceutical care in symptomatic treatment of muscle pain. The algorithm of choosing optimal OTC drugs, dosage form and the routes of administration.
18. Pharmaceutical care in symptomatic treatment of traumatic lesions of skin (cuts, abrasions, scratches, burns, frost-bite). The algorithm of choosing optimal OTC drugs, dosage form and the routes of administration.
19. Pharmaceutical care in symptomatic treatment of infectious lesions of skin (herpes of lips, acne, topical mycoses) and seborrhea. The algorithm of choosing optimal OTC drugs, dosage form and the routes of administration.
20. Pharmaceutical care in treatment of pediculosis and scabies. The algorithm of choosing optimal OTC drugs, dosage form and the routes of administration.
21. Pharmaceutical care of OTC drugs for symptomatic treatment of vitamin deficiency.
22. Pharmaceutical care in symptomatic treatment of anxious conditions. The algorithm of choosing optimal OTC drugs, dosage form and the routes of administration.
23. Pharmaceutical care in symptomatic treatment of asthenia. The algorithm of choosing optimal OTC drugs, dosage form and the routes of administration.
24. Pharmaceutical care in symptomatic treatment of insomnia. The algorithm of choosing optimal OTC drugs, dosage form and the routes of administration.
25. Pharmaceutical care of elderly and old people. The algorithm of choosing optimal OTC drugs, dosage form and the routes of administration for symptomatic treatment.
26. Peculiarities of using OTC drugs for pregnant and breast-feeding women. The algorithm of choosing optimal OTC drugs, dosage form and the routes of administration.
27. Pharmaceutical care of children in the different periods of development (newborns, teenagers). The algorithm of choosing optimal OTC drugs, dosage form and the routes of administration for symptomatic treatment.

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THE LEARNING SUCCESS ASSESSMENT SYSTEM
IN PRACTICAL CLASSES
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> *MODULE 2*
> *Total hours – 120*
> *0.75 credit – Exam*
> *2.75 credits - Learning*
> *Lectures – 14*
> *Practical classes – 60*
> *Self-directed learning – 46 (24+22 for exam)*

Control of Module #2 – Credit
Semester control - Exam

National	ECTS	Grade	Credit	Thematic module 50 points	Thematic module control 20 points	Current rating 30 points	1.5-2.5	3.0-5.0
5	A — excellent	90-100	credit	45-50	18-20	27-30	2.3-2.5	4.5-5
4	B — very good	82-89	credit	41-44.5	16.5-17.5	25-26.5	2.1-2.2	4.1-4.4
4-	C — good	74-81	credit	37-40.5	15-16	22.5-24.5	1.9-2.0	3.7-4
3	D — satisfactory	64-73	credit	32-36.5	13-14.5	19.5-22	1.6-1.8	3.2-3.6
3-	E — enough (satisfies the minimum criteria)	60-63	credit	30-31.5	12-12.5	18-19	1.5	3-3.1
2	F – unsatisfactory (with possibility of repeated pass)	35-59	no credit	17.5-29.5	7-11.5	10.5-17.5	0.9-1.4	1.8-2.9
no admission	FX — unsatisfactory with an obligatory repeated course (additional work is necessary)	1-34	—	0-17	0-6.5	0-10	0-0.8	0-1.7

CRITERIA OF STUDY ACTIVITY ASSESSMENT
IN PRACTICAL CLASSES

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Scale	Criteria	1.5-2.5	3-5
«5» excel-lent 90-100%	• Tasks for self-study for the lesson are done full and correctly • Answers to theoretical questions on the topic of the lesson are given correctly and clearly • Practical tasks during the in-class work were carried out full and correctly • Final test has done in within 90-100%.	2.3-2.5	4.5-5
«4» very good 82-89%	• Tasks for self-study for the lesson are done full and correctly • Answers to theoretical questions on the topic of the lesson are given full with negligible error • Practical tasks during the in-class work were carried out with negligible error • Final test has done in within 82-89%.	2.1-2.2	4.1-4.4
«4-» good 74-81%	• Tasks for self-study for the lesson are done with negligible error • Answers to theoretical questions on the topic of the lesson are given incomplete with error • Practical tasks during the in-class work were carried out with negligible deviation • Final test has done in within 74-81%.	1.9-2.0	3.7-4
«3» satis-factory 64-73%	• Tasks for self-study for the lesson are done with significant error • Answers to theoretical questions on the topic of the lesson are given incomplete or with significant error • Practical tasks during the in-class work were carried out with significant deviation • Final test has done in within 64-73%.	1.6-1.8	3.2-3.6
«3-» enough 60-63%	• Tasks for self-study for the lesson are done partly with significant error • Answers to theoretical questions on the topic of the lesson are given incomplete with significant error • Practical tasks during the in-class work were carried out partly with significant deviation • Final test has done in within 60-63%.	1.5	3-3.1
«2» unsatis-factory 0-59%	• Tasks for self-study for the lesson aren't done or are done incorrect • Answers to theoretical questions on the topic of the lesson aren't given • Practical tasks during the in-class work weren't carried out are done incorrect • Final test has done in within 0-59%	0-1.4	0-2.9