



THE COURSE SCHEDULE OF LECTURES

of Pharmacology for 3rd year
of speciality **226 Pharmacy, Industrial Pharmacy**,
Language – English, ФМ20 (4.10Д) АНГЛ-01-10
(spring semester, 2022-2023, module 2)

№	Date	Topic	Hour	Lecturer
MODULE 2				
1.	30.01.2023	Antianginal drugs.	1	Prof. K.H. Shchokina
2.	06.02.2023	Anti-arrhythmic drugs. Cardiotonic agents.	1	Ass. prof. I.A. Otrishko
3.	13.02.2023	Drugs that affect blood coagulative system	1	Prof. K.H. Shchokina
4.	20.02.2023	Antiatherosclerosis drugs. The pharmacological characteristics of cerebral blood flow disorders correctors.	1	Ass. prof. I.A. Otrishko
5.	27.02.2023	Diuretics. Antigouts.	1	Prof. K.H. Shchokina
6.	06.03.2023	Drugs that affect the functions of the respiratory system.	1	Ass. prof. I.A. Otrishko
7.	13.03.2023	Antibiotics: penicillins, cephalosporins, monobactams, carbapenems, macrolides, tetracyclines	1	Prof. K.H. Shchokina
8.	20.03.2023	Synthetic antibacterial drugs. Sulfonamides.	1	Ass. prof. I.A. Otrishko
9.	27.03.2023	Fluoroquinolones. Antituberculosis medicines	1	Prof. K.H. Shchokina
10.	03.04.2023	Antibiotics of different groups: polymyxins, aminoglycosides, glycopeptides, lincosamides, chloramphenicols, rifampycins etc	1	Ass. prof. I.A. Otrishko
11.	10.04.2023	Antiviral, antifungal and antihelminthic drugs	1	Prof. K.H. Shchokina
12.	17.04.2023	Drugs with activity of adrenal gland hormones and gonads.	1	Ass. prof. I.A. Otrishko
13.	24.04.2023	Anabolic steroids	1	Prof. K.H. Shchokina
14.	01.05.2023	Drugs with activity of hormones of the hypothalamus, pituitary, epiphysis, thyroid, parathyroid gland, drugs that affect the myometrium.	1	Ass. prof. I.A. Otrishko
15.	08.05.2023	Insulins. Synthetic hypoglycemic drugs	1	Prof. K.H. Shchokina
16.	15.05.2023	Pharmacology of iron medicines. Correctors of leucopoiesis. Correctors of cellular and tissue metabolism: vitamin and vitamin-like medicines; antihypoxants and antioxidants	1	Ass. prof. I.A. Otrishko
Total:			16	

Acting Head of Department of Clinical Pharmacology
and Clinical Pharmacy, Professor

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THE TOPICS OF SELF-DIRECTED LEARNING

№	Topic
1.	Features of sustainable use of plant origin expectorants.
2.	To prepare essay on the topic « Classification and pharmacological characteristics of drugs that stimulate surfactant synthesis and exogenous pulmonary surfactant ».
3.	To describe medicines containing natural substances which are used for the brain blood circulation disorders.
4.	To prepare essay « Pharmacological characteristics of nonglycoside cardiotonics ».
5.	To prepare essay «The logical connection between the side effects of organic nitrates and contraindications».
6.	To prepare essay « Selective inhibitors of f-channels of sinus node ».
7.	To prepare essay « Terms of rational use of anti-atherosclerotics in case of long-term use ».
8.	To inquire classification and pharmacological characteristics of drugs that affect metabolism.
9.	To describe Sympatholytics and their mechanism of action, pharmacodynamics.
10.	To analyze the drugs used in case of hypertensive crisis
11.	Specify anti-enzyme medicines. Inhibitors of proteolysis
12.	To prepare essay on the topic «. Actoprotectors. Adaptogens ».

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THE COURSE SCHEDULE OF PRACTICAL CLASSES

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№	Date	Topic	Hours, type of classes	Points	
				min	max
MODULE 2. THEMATIC SUBMODULE 4. Drugs that affect the functions of the executive organs.					
1.	30.01-03.02.2023	Antihypertensive and hypotensive drugs	4, Pr.Cl.	3	5
2.	06.02-10.02.2023	Antianginal drugs	4, Pr.Cl.	3	5
3.	13.02-17.02.2023	Anti-arrhythmic drugs. Cardiotonic agents	4, Pr.Cl.	3	5
4.	20.02-24.02.2023	Drugs that affect blood coagulative system	4, Pr.Cl.	3	5
5.	27.02-03.03.2023	Antiatherosclerosis drugs. The pharmacological characteristics of cerebral blood flow disorders correctors	4, Pr.Cl.	3	5
6.	06.03-10.03.2023	Diuretics. Antigouts. Drugs that affect the functions of the respiratory system. Control of submodule 4	4, Pr.Cl.	3	5
				6	10
Total for Thematic submodule 4:				24	40
THEMATIC SUBMODULE 5. Chemotherapeutic drugs.					
7.	13.03-17.03.2023	Antibiotics: penicillins, cephalosporins, monobactams, carbapenems, macrolides, tetracyclines	4, Pr.Cl.	3	5
8.	20.03-24.03.2023	Synthetic antibacterial drugs. Sulfonamides	4, Pr.Cl.	3	5
9.	27.03-31.03.2023	Fluoroquinolones. Antituberculosis medicines	4, Pr.Cl.	3	5
10.	03.04-07.04.2023	Antibiotics of different groups: polymyxins, aminoglycosides, glycopeptides, lincosamides, chloramphenicols, rifampycins etc. Antiviral, antifungal and antihelminthic drugs. Control of submodule 5.	4, Pr.Cl.	3	5
				6	10
Total for Thematic submodule 5:				18	30
THEMATIC SUBMODULE 6. Drugs that affect the functions of the metabolism, blood and immune system					
11.	10.04-14.04.2023	Drugs with activity of adrenal gland hormones and gonads. Anabolic steroids	4, Pr.Cl.	3	5
12.	17.04-21.04.2023	Drugs with activity of hormones of the hypothalamus, pituitary, epiphysis, thyroid, parathyroid gland, drugs that affect the myometrium.	4, Pr.Cl.	3	5
13.	24.04-28.04.2023	Insulins. Synthetic hypoglycemic drugs	4, Pr.Cl.	3	5
14.	01.05-05.05.2023	Pharmacology of iron medicines. Correctors of leucopoiesis. Correctors of cellular and tissue metabolism: vitamin and vitamin-like medicines; antihypoxants and antioxidants.	4, Pr.Cl.	3	5
15.	08.05-12.05.2023	Control of submodule 6 Upgrade of Module 2	4, Pr.Cl.	6	10
Total for Thematic submodule 6:				18	30
TOTAL FOR MODULE 2			60	60	100

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QUESTIONS FOR FINAL MODULE CONTROL

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1. Antianginal drugs.
2. Anti-arrhythmic drugs. Cardiotonic agents.
3. Drugs that affect blood coagulative system
4. Antiatherosclerosis drugs.
5. The pharmacological characteristics of cerebral blood flow disorders correctors.
6. Diuretics. Antigouts.
7. Drugs that affect the functions of the respiratory system.
8. Antibiotics: penicillins, cephalosporins, monobactams, carbapenems, macrolides, tetracyclines
9. Synthetic antibacterial drugs. Sulfonamides. Fluoroquinolones. Antituberculosis medicines (Part 1)
10. Synthetic antibacterial drugs. Sulfonamides. Fluoroquinolones. Antituberculosis medicines (Part 2)
11. Antibiotics of different groups: polymyxins, aminoglycosides, glycopeptides, lincosamides, chloramphenicols, rifampycins etc
12. Antiviral, antifungal and antihelminthic drugs
13. Drugs with activity of adrenal gland hormones and gonads.
14. Anabolic steroids
15. Drugs with activity of hormones of the hypothalamus, pituitary, epiphysis, thyroid, parathyroid gland, drugs that affect the myometrium.
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THE LEARNING SUCCESS ASSESSMENT SYSTEM IN PRACTICAL CLASSES

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Credit – 4

Total hours – 120

Lectures – 16

Practical classes – 60

Self-directed learning – 44

National	ECTS	Grade	Credit	3-5	6-10	Thematic submodule 30 points	Thematic submodule 30 points
5	A — excellent	90-100	credit	4.5-5	9-10	27-30	36-40
4	B — very good	82-89	credit	4.1-4.4	8.5	24.6-26.9	32.8-35.9
4-	C — good	74-81	credit	3.7-4	7.5-8	22.2-24.5	29.6-32.7
3	D — satisfactory	64-73	credit	3.2-3.6	6.5-7	19.2-22.1	25.6-29.5
3-	E — enough (satisfies the minimum criteria)	60-63	credit	3-3.1	6	18-19.1	24-25.1
2	F – unsatisfactory (with possibility of repeated pass)	35-59	no credit	1.8-2.9	3.5-5.5	10.5-17.9	14-23.9
no admission	FX — unsatisfactory with an obligatory repeated course (additional work is necessary)	1-34	—	0-1.7	0-3	0-10.4	0-13.9

Criteria of study activity assessment on practical classes

Scale	Criteria
«5» excellent 90-100%	<ul style="list-style-type: none"> • 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%.
«4» very good 82-89%	<ul style="list-style-type: none"> • 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%.
«4-» good 74-81%	<ul style="list-style-type: none"> • 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%.
«3» satisfactory 64-73%	<ul style="list-style-type: none"> • 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%.
«3-» enough 60-63%	<ul style="list-style-type: none"> • 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%.
«2» unsatisfactory 0-59%	<ul style="list-style-type: none"> • Tasks for self-study for the lesson aren't done or are done incorrectly • Answers to theoretical questions on the topic of the lesson weren't given • Practical tasks during the in-class work weren't carried out • Final test has done in within 0-59%