



**Ф А1.1-32-114-В**

**COURSE SCHEDULE OF PRACTICAL (LABORATORY, SEMINAR) CLASSES**  
on pharmacology for the 3rd year students in the speciality 226 "Pharmacy "  
ФМ21\*(5,0д)АНГЛ-01  
(Spring Semester 2022-2023 academic year)

No	Date	Topic of the Subject	Total hours, type of class	Knowledge assessment system, points	
				min	max
Module 1. Prescription writing and general pharmacology. Medicines affecting peripheral nervous system, neurotransmitter processes and GIT					
Submodule 1. Prescription writing and general pharmacology					
1	7.02	Introduction to prescription writing. Prescription writing of solid and soft medicinal forms	Practical, 3	3	5
2	14.02	Prescription writing of liquid medicinal forms.	Practical, 3	3	5
3	21.02	General pharmacology. Kinds of action and routes of administration of drugs. The mechanisms of action, pharmacodynamics and of drugs. Side effects of drugs	Practical, 3	3	5
4	28.02	Classification and principles of the drug dosing. The pharmacokinetics of drugs. The phenomena that occur during the repeated and combined administration of drugs	Practical, 3	3	5
5	7.03	The submodule control № 1.	Practical, 3		
Summary of submodule 1:				18	30
Submodule 2. Medicines affecting peripheral nervous system and neurotransmitter processes					
6	14.03	Drugs affecting the afferent innervation			
7	21.03	Introduction to pharmacology of efferent section. Drugs affecting the efferent innervation. Cholinergic agonists: M-cholinomimetics, N-cholinomimetics, anticholinesterase drugs. Cholinergic antagonists: M-cholinoblockers, N-cholinoblockers (ganglionic blockers, muscle relaxants)	Practical, 3	3	5
8	28.03	Pharmacological description of adrenergic agonists: α-adrenomimetics, β-adrenomimetics, α,β- adrenomimetics, sympathomimetics. Pharmacological description of adrenergic antagonists: α-adrenoblockers, β- adrenoblockers, α,β- adrenoblockers, sympatholytics	Practical, 3	3	5
9	4.04	Pain correctors. Pharmacological description of narcotic (opioid) analgesics and non-narcotic analgesics (analgesics-antipyretics). Spasmoanalgesics. NSAIDs	Practical, 3	3	5
10	11.04	Pharmacological description of anti-allergic agents: blockers of H <sub>1</sub> -histamine receptors, membrane stabilizers, blockers of serotonin receptors, selective antagonists of leukotriene receptors.	Practical, 3	3	5
11	18.04	The submodule control № 2	Practical, 3		
Summary of submodule 2:				21	35
Submodule 3. Medicines affecting CNS and GIT					
12	25.04	Pharmacological description of CNS depressants: antipsychotics, anxiolytics, sedatives	Practical, 3	3	5
13	2.05	Pharmacological description of CNS depressants: hypnotics, anticonvulsants, antiparkinsonic drugs	Practical, 4	3	5
14	9.05	Pharmacological description of CNS stimulants: analeptics, psychomotor stimulants, antidepressants, nootropics, adaptogens ( 8.30-12.05)	Practical, 3	3	5
15	16.05	Drugs affecting GIT. Appetite correctors, emetic and anti-emetic drugs. Antacids, H <sub>2</sub> -blockers of receptors of histamine, proton pump inhibitors, M <sub>1</sub> -cholinoreceptors blockers, gastroprotectors	Practical, 4	3	5
16	23.05	Hepatoprotectors, spasmolytic, choleric (choleric, cholekinetiks) and cholelytics, laxative drugs. Enzymatic, antienzymatic drugs	Practical, 3	3	5
17	30.05	The submodule control № 3	Practical, 3		
Summary of submodule 3:				21	35
18	6.06	SEMESTER CREDIT	Practical, 3		
SUMMARY OF MODULE 1				60	100

Department Chairman of pharmacology and pharmacotherapy,

Professor

S.Yu. Shtrygol'



**COURSE SCHEDULE OF PRACTICAL (LABORATORY, SEMINAR) CLASSES**  
 on pharmacology for the 3rd year students in the speciality 226 "Pharmacy "  
 ФМ19\*(5,0д)АНГЛ-02  
 (Spring Semester 2020-2021 academic year)

No.	Date	Topic of the Subject	Total hours, type of class	Knowledge assessment system, points	
				min	max
Module 1. Prescription writing and general pharmacology. Medicines affecting peripheral nervous system, neurotransmitter processes and GIT					
Submodule 1. Prescription writing and general pharmacology					
1	15.02	Introduction to prescription writing. Prescription writing of solid and soft medicinal forms	Practical, 3	3	5
2	22.02	Prescription writing of liquid medicinal forms.	Practical, 3	3	5
3	1.03	General pharmacology. Kinds of action and routes of administration of drugs. The mechanisms of action, pharmacodynamics and of drugs. Side effects of drugs	Practical, 3	3	5
4	15.03	Classification and principles of the drug dosing. The pharmacokinetics of drugs. The phenomena that occur during the repeated and combined administration of drugs	Practical, 3	3	5
5	22.03	The submodule control № 1. Drugs affecting the afferent innervation	Practical, 3	3	5
Summary of submodule 1:				12	20
Submodule 2. Medicines affecting peripheral nervous system and neurotransmitter processes					
6	29.03	Introduction to pharmacology of efferent section. Drugs affecting the efferent innervation. Cholinergic agonists: M-cholinomimetics, N-cholinomimetics, anticholinesterase drugs. Cholinergic antagonists: M-cholinoblockers, N-cholinoblockers (ganglionic blockers, muscle relaxants)	Practical, 3	3	5
7	5.04	Pharmacological description of adrenergic agonists: α-adrenomimetics, β-adrenomimetics, α,β- adrenomimetics, sympathomimetics. Pharmacological description of adrenergic antagonists: α-adrenoblockers, β- adrenoblockers, α,β- adrenoblockers, sympatholytics	Practical, 3	3	5
8	12.04	Pain correctors. Pharmacological description of narcotic (opioid) analgesics and non-narcotic analgesics (analgesics-antipyretics). Spasmoanalgesics. NSAIDs (8.30-12.05)	Practical, 3	3	5
9	19.04	Pharmacological description of anti-allergic agents: blockers of H <sub>1</sub> -histamine receptors, membrane stabilizers, blockers of serotonin receptors, selective antagonists of leukotriene receptors. The submodule control № 2	Practical, 3	12	20
Summary of submodule 2:				12	20
Submodule 3. Medicines affecting CNS and GIT					
10	26.04	Pharmacological description of CNS depressants: antipsychotics, anxiolytics, sedatives	Practical, 3	3	5
11	17.05	Pharmacological description of CNS depressants: hypnotics, anticonvulsants, antiparkinsonic drugs	Practical, 4	3	5
12	24.05	Pharmacological description of CNS stimulants: analeptics, psychomotor stimulants, antidepressants, nootropics, adaptogens	Practical, 3	3	5
13	31.05	Drugs affecting GIT. Appetite correctors, emetic and anti-emetic drugs. Antacids, H <sub>2</sub> -blockers of receptors of histamine, proton pump inhibitors, M <sub>1</sub> -cholinoreceptors blockers, gastroprotectors	Practical, 3	3	5
14	3.06	Hepatoprotectors, spasmolytic, choleretic (choleretics, cholekinetiks) and cholelytics, laxative drugs. Enzymatic, antienzymatic drugs (8.30-12.05)	Practical, 4	3	5
15	7.06	The submodule control № 3	Practical, 3	12	20
Summary of submodule 3:				12	20
16	10.06	THE MODULE CONTROL 1 (8.30-12.05)	Practical, 4	25	40
SUMMARY OF MODULE 1				60	100

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