



Ф А1.1-36-114

COURSE SCHEDULE OF PRACTICAL (LABORATORY, SEMINAR) CLASSES

in Pharmacology for the 3rd year students
in the speciality 226 "Pharmacy"
specialisation 226.01 Pharmacy ФМ22(4,10Д)АНГЛ-01
(autumn semester 2024-2025 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 | 05.09 | Introduction to prescription writing. Prescription writing of solid and soft medicinal forms | Practical, 3 | 3 | 5 |
| 2 | 12.09 | Prescription writing of liquid medicinal forms. | Practical, 3 | 3 | 5 |
| 3 | 19.09 | 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 | 26.09 | 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 | 03.10 | The submodule control № 1. | Practical, 3 | 6 | 10 |
| Summary of submodule 1: | | | | 18 | 30 |
| Submodule 2. Medicines affecting peripheral nervous system and neurotransmitter processes | | | | | |
| 6 | 10.10 | Drugs affecting the afferent innervation | Practical, 3 | 3 | 5 |
| 7 | 17.10 | 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 | 24.10 | 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 | 31.10 | Pain correctors. Pharmacological description of narcotic (opioid) analgesics and non-narcotic analgesics (analgesics-antipyretics). Spasmoanalgesics. NSAIDs | Practical, 3 | 3 | 5 |
| 10 | 07.11 | Pharmacological description of anti-allergic agents: blockers of H ₁ -histamine receptors, membrane stabilizers, blockers of serotonin receptors, selective antagonists of leukotriene receptors. | Practical, 3 | 3 | 5 |
| 11 | 14.11 | The submodule control № 2 | Practical, 3 | 6 | 10 |
| Summary of submodule 2: | | | | 21 | 35 |
| Submodule 3. Medicines affecting CNS and GIT | | | | | |
| 12 | 21.11 | Pharmacological description of CNS depressants: antipsychotics, anxiolytics, sedatives | Practical, 3 | 3 | 5 |
| 13 | 28.11 | Pharmacological description of CNS depressants: hypnotics, anticonvulsants, antiparkinsonic drugs | Practical, 4 | 3 | 5 |
| 14 | 05.12 | Pharmacological description of CNS stimulants: analeptics, psychomotor stimulants, antidepressants, nootropics, adaptogens | Practical, 3 | 3 | 5 |
| 15 | 12.12 | Drugs affecting GIT. Appetite correctors, emetic and anti-emetic drugs. Antacids, H ₂ -blockers of receptors of histamine, proton pump inhibitors, M ₁ -cholinoreceptors blockers, gastroprotectors | Practical, 4 | 3 | 5 |
| 16 | 19.12 | Hepatoprotectors, spasmolytic, choleric (choleric, cholekinetiks) and cholelytics, laxative drugs. Enzymatic, antienzymatic drugs | Practical, 3 | 3 | 5 |
| 17 | 09.01 | The submodule control № 3 | Practical, 3 | 6 | 10 |
| Summary of submodule 3: | | | | 21 | 35 |
| 18 | 16.01 | SEMESTER CREDIT | Practical, 3 | | |
| SUMMARY OF MODULE 1 | | | | 60 | 100 |

Department Chairman,
Professor

Sergii SHTRYGOL'



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in Pharmacology for the 3rd year students
in the speciality 226 "Pharmacy "
specialisation 226.01 Pharmacy ФМ22(4,10Д)АНГЛ-02
(autumn semester 2024-2025 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 | 04.09 | Introduction to prescription writing. Prescription writing of solid and soft medicinal forms | Practical, 3 | 3 | 5 |
| 2 | 11.09 | Prescription writing of liquid medicinal forms. | Practical, 3 | 3 | 5 |
| 3 | 18.09 | 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 | 25.09 | 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 | 02.10 | The submodule control № 1. | Practical, 3 | 6 | 10 |
| Summary of submodule 1: | | | | 18 | 30 |
| Submodule 2. Medicines affecting peripheral nervous system and neurotransmitter processes | | | | | |
| 6 | 09.10 | Drugs affecting the afferent innervation | Practical, 3 | 3 | 5 |
| 7 | 16.10 | 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 | 23.10 | 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 | 30.10 | Pain correctors. Pharmacological description of narcotic (opioid) analgesics and non-narcotic analgesics (analgesics-antipyretics). Spasmoanalgesics. NSAIDs | Practical, 3 | 3 | 5 |
| 10 | 06.11 | Pharmacological description of anti-allergic agents: blockers of H ₁ -histamine receptors, membrane stabilizers, blockers of serotonin receptors, selective antagonists of leukotriene receptors. | Practical, 3 | 3 | 5 |
| 11 | 13.11 | The submodule control № 2 | Practical, 3 | 6 | 10 |
| Summary of submodule 2: | | | | 21 | 35 |
| Submodule 3. Medicines affecting CNS and GIT | | | | | |
| 12 | 20.11 | Pharmacological description of CNS depressants: antipsychotics, anxiolytics, sedatives | Practical, 3 | 3 | 5 |
| 13 | 27.11 | Pharmacological description of CNS depressants: hypnotics, anticonvulsants, antiparkinsonic drugs | Practical, 4 | 3 | 5 |
| 14 | 04.12 | Pharmacological description of CNS stimulants: analeptics, psychomotor stimulants, antidepressants, nootropics, adaptogens | Practical, 3 | 3 | 5 |
| 15 | 11.12 | Drugs affecting GIT. Appetite correctors, emetic and anti-emetic drugs. Antacids, H ₂ -blockers of receptors of histamine, proton pump inhibitors, M ₁ -cholinoreceptors blockers, gastroprotectors | Practical, 4 | 3 | 5 |
| 16 | 18.12 | Hepatoprotectors, spasmolytic, choleretic (choleretics, cholekinetiks) and cholelytics, laxative drugs. Enzymatic, antienzymatic drugs | Practical, 3 | 3 | 5 |
| 17 | 08.01 | The submodule control № 3 | Practical, 3 | 6 | 10 |
| Summary of submodule 3: | | | | 21 | 35 |
| 18 | 15.01 | SEMESTER CREDIT | Practical, 3 | | |
| SUMMARY OF MODULE 1 | | | | 60 | 100 |

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