

Course Outline for Seminar-Based Classes
in the Discipline of Pharmaceutical Information for the Students Enrolled in 2022
Program: 33.05.01 Pharmacy (Specialist Degree, Full-Time Study)
Academic Year 2025–2026

№	Thematic blocks	Practical training within the framework of the thematic block	Hours (academic)
9th semester			
1.	Fundamentals of non-verbal communication in the systems 'pharmacist-patient,' 'pharmacist-pharmacist,' 'pharmacist-physician,' 'pharmacist-business partner,' and others in the context of implementing effective and safe pharmacotherapy and ensuring mutually beneficial drug sales. ¹ Methods of managing emotional status using nonverbal techniques, including for the purpose of conducting comprehensively advantageous pharmaceutical sales. ²	-	4
2.	Pharmaceutical counseling and information regarding antihypertensive medications. ¹ Selection of drugs for synonymous and analog substitution of antihypertensive medications. ² Practicing the skills of synonymic and analog replacement of medicinal drugs.	PT	4
3.	Pharmaceutical counseling and information regarding antihypertensive medications. ¹ Verbal and non-verbal interaction of the pharmacist with patients (clients) during counseling and providing information on antihypertensive drugs. ² Practicing the skills of synonymic and analog replacement of medicinal drugs.	PT	4
4.	Pharmaceutical counseling and information regarding medicinal products for the treatment of bronchial asthma. ¹ Selection of drugs for synonymous and analogous replacement of bronchodilators, expectorant drugs, inhaled and systemic corticosteroids. ² Practicing the skills of synonymic and analog s replacement of medicinal drugs.	PT	4
5.	Pharmaceutical counseling and information regarding medicinal products for the treatment of bronchial asthma. ¹ Verbal and non-verbal interaction of the pharmacist with patients (clients) during consultation and provision of information on bronchodilator, expectorant medications, as well as inhaled and systemic corticosteroids. ² Practicing the skills of synonymic and analog replacement of medicinal drugs.	PT	4

6.	Pharmaceutical consultation and information regarding medications for the treatment of oncological diseases. ¹ Selection of drugs for synonymous and analog replacement of antitumor medications used for long-term and course-based outpatient treatment of breast cancer, prostate cancer, brain cancer, liver cancer, kidney cancer, myeloid and lymphoid leukemia. ²	PT	4
7.	Pharmaceutical consultation and information regarding medications for the treatment of oncological diseases. ¹ Verbal and non-verbal interaction of the pharmacist with patients (clients) during counseling and providing information on antitumor drugs used for long-term and cyclical outpatient treatment of breast cancer, prostate cancer, brain cancer, liver cancer, kidney cancer, myeloid and lymphoid leukemia. ²	PT	4
8.	Pharmaceutical consulting and providing information regarding medications for the treatment of allergic diseases. ¹ Selection of drugs for synonymous and analog replacement of anti-allergic medications: antihistamines, glucocorticosteroid drugs in dosage forms for external use. ² Practicing the skills of synonymic and analog replacement of medicinal drugs.	PT	4
9.	Pharmaceutical consulting and providing information regarding medications for the treatment of allergic diseases. ¹ Verbal and non-verbal interaction of the pharmacist with patients (clients) during consultation and information provision on antihistamine drugs in various dosage forms, and glucocorticosteroid drugs in dosage forms for external use. ² Practicing the skills of synonymic and analog replacement of medicinal drugs.	PT	4
10.	Pharmaceutical consultation and information regarding medications for the treatment of peptic ulcer disease. ¹ Selection of drugs for synonymous and analog replacement of medications for the treatment of peptic ulcer disease: histamine blockers, proton pump inhibitors, prokinetics, antacids. ² Practicing the skills of synonymic and analog replacement of medicinal drugs.	PT	4
11.	Pharmaceutical consultation and information regarding medications for the treatment of peptic ulcer disease. ¹	PT	4

	Verbal and non-verbal interaction of the pharmacist with patients (clients) during consultation and provision of information regarding medications for the treatment of peptic ulcer disease: histamine blockers, proton pump inhibitors, prokinetics, and antacids.² Practicing the skills of synonymic and analog replacement of medicinal drugs.		
12.	Pharmaceutical consulting and information provision regarding medications for the treatment of chronic pancreatitis and cholecystitis.¹ Selection of drugs for synonymous and analog replacement of medicinal products for the treatment of chronic pancreatitis and cholecystitis: analgesic and antispasmodic drugs, high- and low-dose enzyme preparations, choleretics, and cholekinetics.² Practicing the skills of synonymic and analog replacement of medicinal drugs.	PT	4
13.	Pharmaceutical consulting and information provision regarding medications for the treatment of chronic pancreatitis and cholecystitis.¹ Verbal and non-verbal interaction of the pharmacist with patients (clients) during consultation and information provision on medications for the treatment of chronic pancreatitis and cholecystitis: analgesic and antispasmodic drugs, high- and low-dose enzyme preparations, choleretics, and cholekinetics.² Practicing the skills of synonymic and analog replacement of medicinal drugs.	PT	4
14.	Pharmaceutical consulting and providing information regarding medications for the treatment of infectious diseases.¹ Selection of drugs for synonymous and analogous replacement of medicinal products for outpatient treatment of acute infectious diseases: community-acquired pneumonia, acute bronchitis, acute tonsillitis, acute otitis. Pharmaceutical consulting and information provision during the selection of drugs for synonymous and analogous replacement of antibiotics.² Practicing the skills of synonymic and analog replacement of medicinal drugs.	PT	4
15.	Pharmaceutical consulting and providing information regarding medications for the treatment of infectious diseases.¹ Verbal and non-verbal interaction of the pharmacist with patients (clients) during consultation and information provision on medicinal products for outpatient treatment of acute infectious diseases: community-acquired pneumonia, acute bronchitis, acute tonsillitis, acute otitis.² Practicing the skills of synonymic and analog replacement of medicinal drugs.	PT	4
16.	Pharmaceutical consulting and information regarding drugs from the group of nonsteroidal anti-inflammatory drugs.¹	PT	4

	Selection of drugs for synonymic and analog replacement of medications from the nonsteroidal anti-inflammatory drug group. ² Practicing the skills of synonymic and analog replacement of medicinal drugs.		
17.	Pharmaceutical consulting and information regarding drugs from the group of nonsteroidal anti-inflammatory drugs. ¹ Verbal and non-verbal interaction of the pharmacist with patients (clients) during consultation and information provision regarding medications from the group of non-steroidal anti-inflammatory drugs. ² Practicing the skills of synonymic and analog replacement of medicinal drugs.	PT	4
Total			68

¹ – topic

² – essential content

PT – practical training

Reviewed at the meeting of the Department of Clinical Pharmacology and Intensive Care, Protocol No. 11 dated May 26, 2025.

Head of the Department



V.I.Petrov