


Volodymyr GELMBOLDT
“29” august 2024 year

CALENDAR - THEMATIC PLAN OF LECTURES
the course "Pharmaceutical Chemistry " for the fourth-year students
International Faculty in 2024-2025 academic year

№	Study of subject and content	The amount in hours	Group	Who teaches	Date	Equipment classes	Place of classes
1	2	3	4	5	6	7	8
1.	Agents affecting the afferent nervous system. Characteristics, classification, relationship between structure and pharmacological action, mechanism of action, methods of obtaining, methods of analysis, application in medicine.	2	4-5	Tatiana LOZHYCHEVSKA	according to the timetable	The visual material	Department of Pharmaceutical Chemistry
2.	Agents that affect the efferent nervous system. Characteristics, classification, relationship between structure and pharmacological action, mechanism of action, methods of preparation, methods of analysis, application in medicine.	2	4-5	Tatiana LOZHYCHEVSKA	according to the timetable	The visual material	Department of Pharmaceutical Chemistry
3.	Cardiotonic, antiarrhythmic medicines. Means that improve blood supply to organs and tissues. Peripheral vasodilators. Characteristics, classification, relationship between structure and pharmacological action, mechanism of action, methods of preparation, methods of analysis, application in medicine.	2	4-5	Tatiana LOZHYCHEVSKA	according to the timetable	The visual material	Department of Pharmaceutical Chemistry
4.	Antagonists of calcium ions. Antioxidants. Agents affecting the renin-angiotensin system. Hypo- and hypertensive medicines. Characteristics, classification, relationship between structure and pharmacological action, mechanism of action, methods of preparation, methods of analysis, application in medicine	2	4-5	Tatiana LOZHYCHEVSKA	according to the timetable	The visual material	Department of Pharmaceutical Chemistry
5.	Agents affecting the excretory system (diuretics). Characteristics, classification, relationship between structure and pharmacological action, mechanism of action, methods of preparation, methods of analysis, application in medicine.	2	4-5	Tatiana LOZHYCHEVSKA	according to the timetable	The visual material	Department of Pharmaceutical Chemistry
6.	Antibiotics. Characteristics, classification, relationship between structure and action, mechanism of action, methods of preparation, methods of analysis, application in medicine.	2	4-5	Tatiana LOZHYCHEVSKA	according to the timetable	The visual material	Department of Pharm. Chemistry

7.	Antimicrobial medicines. Sulfanilamides. Derivatives of naphthyridine and quinolonecarboxylic acids. Derivatives of 8-oxyquinoline, quinoxaline and nitrofur. Characteristics, classification, relationship between structure and action, mechanism of action, methods of preparation, methods of analysis, application in medicine.	2	4-5	Tatiana LOZHYCHEVSKA	according to the timetable	The visual material	Department of Pharmaceut ical Chemistry
8.	Anti-tuberculosis medicines. Means for the treatment of oncological diseases. Antiviral and antimalarial agents. Characteristics, classification, relationship between structure and action, mechanism of action, methods of preparation, methods of analysis, application in medicine	2	4-5	Tatiana LOZHYCHEVSKA	according to the timetable	The visual material	Department of Pharmaceut ical Chemistry
9.	Antifungal medicines. Medicines for the treatment of protozoan infections. Anthelmintics. Characteristics, classification, relationship between structure and action, mechanism of action, methods of preparation, methods of analysis, application in medicine.	2	4-5	Tatiana LOZHYCHEVSKA	according to the timetable	The visual material	Department of Pharmaceut ical Chemistry
10.	Antiseptic and disinfectants. Antipediculosis and acaricidal means. Characteristics, classification, mechanism of action, methods of preparation, methods of analysis, application in medicine.	2	4-5	Tatiana LOZHYCHEVSKA	according to the timetable	The visual material	Department of Pharmaceut ical Chemistry
	Total	20					

**The head of the educational part
of the Department of Pharmaceutical Chemistry
and Drug Technology**



Oleksii NIKITIN