

**I APPROVE**  
**Head of the Department of Pharmaceutical Chemistry**  
**and drug technology**  
**Prof. Volodymyr GELMBOLDT**



“29” august 2024 y.

**CALENDAR - THEMATIC PLAN OF LECTURES**  
**from the course "Pharmaceutical Chemistry" for students of the 5th year**  
**pharmaceutical and international faculties 2024-2025 academic year**

№№ п.п.	Topic of the lecture	Number of hours	Lecture equipment	The venue	Last name of the lecturer
1	2	3	5	6	7
1.	Medicines of thyroid hormones. Characteristics, classification, relationship between structure and pharmacological action, mechanism of action, methods of obtaining, methods of analysis, application in medicine.	2	Presentation Tables	according to the schedule	Lytvynchuk I.V.
2.	Steroid hormones and their analogues: corticosteroids and their synthetic analogues. Characteristics, classification, relationship between structure and pharmacological action, mechanism of action, methods of obtaining, methods of analysis, application in medicine.	2	Presentation Tables	according to the schedule	Lytvynchuk I.V.
3.	Steroid hormones and their analogues: progestogens, androgens and their analogues. Characteristics, classification, relationship between structure and pharmacological action, mechanism of action, methods of obtaining, methods of analysis, application in medicine.	2	Presentation Tables	according to the schedule	Гельмбольдт В.О.
4.	Steroid hormones and their analogues: estrogens and their analogues, synthetic compounds of estrogenic action. Characteristics, classification, relationship between structure and pharmacological action, mechanism of action, methods of obtaining, methods of analysis, application in medicine.	2	Presentation Tables	according to the schedule	Lytvynchuk I.V.
5.	Aliphatic vitamins. Characteristics, classification, relationship between structure and pharmacological action, mechanism of action, methods of obtaining, methods of analysis, application in medicine.	2	Presentation Tables	according to the schedule	Lytvynchuk I.V.
6.	Vitamins of the alicyclic, aromatic series. Characteristics, classification, relationship between structure and pharmacological action, mechanism of action, methods of obtaining, methods of analysis, application in medicine.	2	Presentation Tables	according to the schedule	Lytvynchuk I.V.
7.	Heterocyclic vitamins: derivatives of chroman, rutin, derivatives of pyridine. Characteristics, classification, relationship between structure and pharmacological action, mechanism of action, methods of obtaining, methods of analysis, application in medicine.	2	Presentation Tables	according to the schedule	Lytvynchuk I.V.

8.	Heterocyclic vitamins: pyrimidine and thiazole derivatives, isoalloxazine derivatives, pterin derivatives, corin derivatives. Characteristics, classification, relationship between structure and pharmacological action, mechanism of action, methods of obtaining, methods of analysis, application in medicine.	2	Presentation Tables	according to the schedule	Lytvynchuk I.V.
9.	Anorexigenic means. Characteristics, classification, relationship between structure and pharmacological action, mechanism of action, methods of obtaining, methods of analysis, application in medicine.	2	Presentation Tables	according to the schedule	Lytvynchuk I.V.
10.	Anti-ulcer drugs. Characteristics, classification, relationship between structure and pharmacological action, mechanism of action, methods of obtaining, methods of analysis, application in medicine.	2	Presentation Tables	according to the schedule	Lytvynchuk I.V.
	<b>Total 20 hours</b>				

**Head teacher of the Department of Pharmaceutical Chemistry  
and drug technology**



**Oleksii Nikitin**