

ЗАТВЕРДЖЕНО
на засіданні кафедри,
протокол № 1
від "31" серпня 2021 р.

**Thematic plan of out-work class
in the discipline "Pharmaceutical Chemistry"
for fourth-year students of the Faculty of Pharmacy
for the 7th semester of the 2021/2022 academic year**

№ п/п	Topic	Hours
1.	Cardiotonic drugs. Characteristics, classification, connection between structure and pharmacological action, mechanism of action, metabolism, methods of production, methods of analysis, application in medicine.	2
2.	Antiarrhythmic drugs. Characteristics, classification, connection between structure and pharmacological action, mechanism of action, metabolism, methods of production, methods of analysis, application in medicine.	2
3.	Drugs that improve blood supply to organs and tissues. Characteristics, classification, connection between structure and pharmacological action, mechanism of action, metabolism, methods of production, methods of analysis, application in medicine.	2
4.	Peripheral vasodilators. Characteristics, classification, connection between structure and pharmacological action, mechanism of action, metabolism, methods of production, methods of analysis, application in medicine.	2
5.	Calcium ion antagonists. Potassium channel activators. Characteristics, classification, connection between structure and pharmacological action, mechanism of action, metabolism, methods of production, methods of analysis, application in medicine.	2
6.	Drugs affecting the renin-angiotensin system Characteristics, classification, the relationship between structure and pharmacological action, mechanism of action, metabolism, methods of production, methods of analysis, application in medicine.	2
7.	Antihypertensive (antihypertensive) drugs. Hypertensive drugs. Characteristics, classification, connection between structure and pharmacological action, mechanism of action, metabolism, methods of production, methods of analysis, application in medicine.	2
8.	Angioprotectors. Characteristics, classification, connection between structure and pharmacological action, mechanism of action, metabolism, methods of production, methods of analysis, application in medicine.	2
9	Antioxidants. Characteristics, classification, connection between structure and pharmacological action, mechanism of action, metabolism, methods of production, methods of analysis, application in medicine.	2
10.	Hypolipidemic drugs. Characteristics, classification, relationship between structure and pharmacological action, mechanism of action, metabolism, methods of production, methods of analysis, application in medicine	2
11.	Diuretics. Characteristics, classification, connection between structure and pharmacological action, mechanism of action, metabolism, methods of production, methods of analysis, application in medicine.	2
12.	Agents that affect platelet aggregation and blood clotting. Characteristics, classification, connection between structure and pharmacological action, mechanism of action, metabolism, methods of production, methods of analysis, application in medicine.	2
13.	Antibiotics of heterocyclic structure. B-lactamase inhibitors. Characteristics, classification, connection between structure and action, mechanism of action, metabolism, methods of production, methods of analysis, application in medicine.	2
14.	Tetracycline antibiotics and macrolides. Characteristics, classification, connection between structure and action, mechanism of action, methods of metabolism, production, methods of analysis, application in medicine	2

15.	Aminoglycoside antibiotics, amphenicols, other groups of antibiotics. Characteristics, classification, connection between structure and action, mechanism of action, metabolism, methods of production, methods of analysis, application in medicine.	2
16.	Sulfanilamides. Characteristics, classification, connection between structure and action, mechanism of action, metabolism, methods of production, methods of analysis, application in medicine.	2
17.	Derivatives of naphthyridine and quinolonecarboxylic acids. Characteristics, classification, connection between structure and action, mechanism of action, metabolism, methods of production, methods of analysis, application in medicine.	2
Total		34