

**Thematic plan of independent work of the student  
in the discipline " Special pharmaceutical chemistry "  
for students of the educational program  
specialist degree  
in the specialty of training 33.05.01 Pharmacy  
direction (profile) Pharmacy,  
form of study full-time (face to face)  
for the 2023-2024 academic year**

№	The topic of independent work	Hours (academic)
<b>7 term</b>		
1	Benzofuran derivatives: cordarone, griseofulvin. Methods of obtaining and pharmaceutical analysis, medical use.	8
2	Proline derivatives: capoten, enalapril moleate. Methods of obtaining and pharmaceutical analysis, medical use.	8
3	Indolylalkylamine derivatives: L-tryptophan, serotonin adipinate, indomethacin. Methods of obtaining and pharmaceutical analysis, medical use.	6
4	Triazole derivatives - diflucan. Methods of obtaining and pharmaceutical analysis, medical use.	4
5	Benzimidazole derivatives: histamine, motilium. Methods of obtaining and pharmaceutical analysis, medical use.	8
6	Amino acid derivatives - vitamin U: methylmethionine sulphonium chloride. Methods of obtaining and pharmaceutical analysis, medical use.	2
	Total in term	36
<b>8 term</b>		
7	Pyrrolizidine derivatives: platyphylline, seneciphylline, saracine hydrotartrate. Methods of obtaining and pharmaceutical analysis, medical use.	6
8	Synthetic analogues (by action) of quinine: bigumal. Methods of obtaining and pharmaceutical analysis, medical use.	4
9	Tetrahydroisoquinoline derivatives: salsoline hydrochloride, narcotine, cotarine chloride. Methods of obtaining and pharmaceutical analysis, medical use.	6
10	Synthetic analogues (by action) of morphine: lemoran, hydrocodone phosphate. Methods of obtaining and pharmaceutical analysis, medical use.	4
11	Guanidine derivatives - spherofisin benzoate. Methods of obtaining and pharmaceutical analysis, medical use.	4
	Total in term	24
<b>9 term</b>		
12	Adrenal cortical hormones: triamcinolone, lococortin, sinallar. Methods of obtaining and pharmaceutical analysis, medical use.	4
13	Glycosides of foxglove: Celanide. Methods of obtaining and pharmaceutical analysis, medical use.	6
14	Glycosides of oleander: neriolin. Methods of obtaining and pharmaceutical analysis, medical use.	6
15	Pinicillin antibiotics: bicillin-1, bicillin-5, Unazine. Antibiotics of the cephalosporin group: cephaloridinecefactor, Methods of obtaining and	

	pharmaceutical analysis, medical use.	
	Total in term	24
	<b>Total</b>	<b>84</b>

Considered at the meeting of the department of Pharmaceutical and Toxicological Chemistry "27" may 2023, protocol No9

Head of the Department



Ozerov A.