Thematic lesson plan of independent work of the student in the discipline "Special pharmaceutical chemistry" for students for students in 2021 admission according to 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 2025-2026 academic year

№	The topic of independent work	Hours (academic)
	7th semester	
1.	Synthetic heretocyclic medicinal products.[1] Benzofuran derivatives: cordarone, griseofulvin. Proline derivatives: kapoten, enalapril moleate. Indolylalkylamine derivatives: L-tryptophan, serotonin adipinate, indomethacin. Triazole derivatives – diflucan.[2]	18
	Independent work control	2
	8th semester	
1.	Alkaloids and their synthetic analogues.[1] Pyrrolizidine derivatives: platyphylline, senecifilin, saracine hydrotartrate. Tetrahydroisoquinoline derivatives: salsolin hydrochloride, narcotine, cotarin chloride.[2]	26
	Independent work control	2
	9th semester	
1.	Hormones.[1] Definition, biological role and classification of hormones. Thyroid hormones and antithyroid drugs. Corticosteroids. Androgens. Anabolic steroids.[2]	39
	Independent work control	2
	Total	77

[1] - topic
[2] - essential content

Considered at the meeting of the department of Pharmaceutical, Toxicological Chemistry, pharmacognosy and botany "30" May 2025, protocol No1

Head of the Department Ozerov A.A.