

**Thematic lesson plan of lectures
in the discipline ««Fundamentals of design and drug's chemistry»
for students of the educational program
specialist
in the specialty 33.05.01 Pharmacy,
direction (profile) Pharmacy,
form of study full - time
for the 2023-2024 academic year**

№	Topics of lectures	Hours (academic)
1.	Design of the structure of synthetic medicinal substances. ¹ Design of the structure of synthetic drugs based on the principle of chemical modification to simulate their biological activity. ²	2
2.	Design of medicinal substances. ¹ Design of medicinal substances of natural origin to simulate their biological activity. ²	2
3.	Empirical Foundations of Design. ¹ Empirical basis for prodrug design to model their biological activity. ²	2
4.	The meaning of functional groups. ¹ The importance of functional groups in the design of the structure of new drug candidates. ²	2
5.	The meaning of functional groups. ¹ The importance of functional groups in the design of the structure of new drug candidates. ²	2
6.	Analytical methods for confirming the structure of synthesized drugs. ¹ Analytical methods for confirming the structure of synthesized drugs: qualitative and quantitative analysis. ²	2
7.	Аналитические методы для подтверждения структуры синтезированных препаратов. ¹ Analytical methods for confirming the structure of synthesized drugs: physicochemical methods. ²	2
Total		14

¹ -Subject

² - essential content

Considered at the meeting of the department of «26» May 2023, protocol No10

Head of the Departmen

A.K.Brel'