

**Thematic plan of independent work of the student
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**

№	The topic of independent work	Hours (academic)
1.	Design of the structure of synthetic drugs based on the principle of chemical modification to simulate their biological activity. Derivatives of heterocyclic compounds. ¹ Design of the structure of medicinal substances based on the principle of chemical modification to simulate their biological activity: antibacterial drugs. ²	8
2.	Design of the structure of synthetic drugs based on the principle of chemical modification to simulate their biological activity. Derived heterofunctional compounds. ¹ Design of the structure of medicinal substances based on the principle of chemical modification to simulate their biological activity: complex compounds. ²	6
3	Design of the structure of medicinal substances based on the principle of chemical modification to simulate their biological activity: nucleic acids. ¹ Design of the structure of synthetic drugs based on the principle of chemical modification to simulate their biological activity: antiviral drugs. ²	6
4	Design of the structure of medicinal substances based on the principle of chemical modification to simulate their biological activity: nucleic acids. ¹ Design of the structure of medicinal substances based on the principle of chemical modification to simulate their biological activity: antitumor drugs. ²	6
5	Design of the structure of synthetic drugs based on the principle of chemical modification to simulate their biological activity. Amino acids, peptides, proteins. ¹ Design of the structure of medicinal substances based on the principle of chemical modification to simulate their biological activity: modeling the interaction of a medicinal substance with bioreceptors. ²	6
6	Analytical methods for confirming the structure of synthesized drugs: Instrumental methods of analysis. ¹ Analytical control methods for confirming the structure of new drugs. ²	6
	Итого	38

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'