

**Thematic lesson plan  
for educational practice “Practice in general pharmaceutical technology” for  
students in the educational program  
specialty in specialty 33.05.01 Pharmacy,  
Full-time form of education  
for the 2023-2024 academic year**

No.	Thematic blocks <sup>1</sup>	Hours (academic)
1.	Organizational meeting, purpose and objectives, brief description of the internship location. Information about the content of work that must be completed during the internship. Laboratory safety. <sup>2</sup>	4
	Formation of individual tasks. <sup>3</sup>	2
2.	Manufacturing of medicinal products in solid dosage form for medical use. <sup>1</sup> Production of powders with extracts, coloring, odorous, difficult to crush substances. <sup>2</sup>	4
	Completing individual tasks. <sup>3</sup>	2
3.	Production of drugs in solid dosage form for medical use. <sup>1</sup> Complex powders with poisonous, potent, narcotic substances. <sup>2</sup>	4
	Completing individual tasks. <sup>3</sup>	2
4.	Manufacturing of medicinal products in liquid dosage form for medical use. <sup>1</sup> Potions using concentrated solutions and dry medicinal substances. <sup>2</sup>	4
	Completing individual tasks. <sup>3</sup>	2
5.	Manufacturing of medicinal products in liquid dosage form for medical use. <sup>1</sup> Colloidal solutions and IUD solutions. <sup>2</sup>	4
	Completing individual tasks. <sup>3</sup>	2
6.	Manufacturing of medicinal products in liquid dosage form for medical use. <sup>1</sup> Technology of infusions and decoctions using concentrated extracts. <sup>2</sup>	4
	Completing individual tasks. <sup>3</sup>	2
7.	Manufacturing of medicinal products in liquid dosage form for medical use. <sup>1</sup> Suspensions. 2	4
	Completing individual tasks. <sup>3</sup>	2
8.	Manufacturing of medicinal products in liquid dosage form for medical use. <sup>1</sup> Suspensions. 2	4
	Completing individual tasks. <sup>3</sup>	2
9.	Manufacturing of medicinal products in liquid dosage form for medical use. <sup>1</sup> Emulsions. <sup>2</sup>	4
	Completing individual tasks. <sup>3</sup>	2
10.	Production of medicines in soft dosage form. <sup>1</sup> Liniments. <sup>2</sup>	4
	Completing individual tasks. <sup>3</sup>	2
eleven.	Production of medicines in soft dosage form. <sup>1</sup> Homogeneous ointments	4

	on various bases. <sup>2</sup>	
	Completing individual tasks. <sup>3</sup>	2
12.	Production of medicines in soft dosage form. <sup>1</sup> Suspension ointments. <sup>2</sup>	4
	Completing individual tasks. <sup>3</sup>	2
13.	Production of medicines in soft dosage form. <sup>1</sup> Emulsion and combination ointments. <sup>2</sup>	4
	Completing individual tasks. <sup>3</sup>	2
14.	Production of medicines in soft dosage form. <sup>1</sup> Technology of suppositories using rolling and pressing methods. <sup>2</sup>	4
	Completing individual tasks. <sup>3</sup>	2
15.	Technology of injection solutions. <sup>1</sup> Production of injection solutions in pharmacy conditions without stabilizers and with stabilizers. <sup>2</sup>	4
	Completing individual tasks. <sup>3</sup>	2
16.	Making eye drops in a pharmacy. 1; 2	4
	Completing individual tasks. <sup>3</sup>	2
17.	Technology for manufacturing dosage forms for newborns and children up to 1 year of age. 1; 2	4
	Completing individual tasks. <sup>3</sup>	2
18.	Submission of reporting documentation on practice. Interim certification. <sup>2</sup>	4
	Placing reporting documentation on practice in the electronic information and educational environment of Volga State Medical University. <sup>3</sup>	2
	Total	108

<sup>1</sup>– one thematic block includes several classes conducted in the form of practical training, the duration of one lesson is 45 minutes with a break between classes of at least 5 minutes

<sup>2</sup>- subject

<sup>3</sup>– essential content

Considered at the meeting of the Department of Pharmaceutical Technology and Biotechnology “01” June 2023, protocol No. 15.

I affirm:  
Head of the department



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