

**EDUCATIONAL INSTITUTION  
«BELARUSIAN STATE MEDICAL UNIVERSITY»**

**THE DEPARTMENT OF  
PHARMACEUTICAL TECHNOLOGY**

Approved at the session of the department  
Protocol №1 of August 31, 2020

**THEMATIC PLAN  
OF PRACTICAL LESSONS FOR EDUCATIONAL DISCIPLINE  
«PHARMACEUTICAL DEVELOPMENT WITH THE FUNDAMENTALS OF BIOPHARMA-  
CEUTICS»  
FULL-TIME EDUCATION FORM OF TRAINING  
9 semester 2020-2021**

<b>№</b>	<b>Theme</b>	<b>Date</b>
1.	Realization of pharmaceutical factors in the performance of pharmaceutical development.	01.09-04.09
2.	The concept of bioavailability of medicines. Methods for determining bioavailability: in vitro, in vivo, in situ.	07.09-11.09
3.	The absorption of pharmaceutical substances in the gastrointestinal tract. The release of active substances from tablets.	14.09-18.09
4.	The release of the active substance from the suppository.	21.09-25.09
5.	The release of active ingredients from soft medicinal forms.	28.09-02.10
6.	Realization of pharmaceutical development in the manufacture of sterile medicinal forms.	05.10-09.10
7.	Realization of pharmaceutical development in the production of tablets.	12.10-16.10
8.	Realization of pharmaceutical development in the production of soft medicinal forms.	19.10-23.10
9.	Realization of pharmaceutical development in the production of suppositories.	26.10-30.10
10.	Realization of pharmaceutical development in the production of medicines for children.	02.11-06.11
11.	Production of medicines containing medicinal plants raw materials. The test methods and measures of acceptability for medicinal plants raw materials and medicines containing medicinal plants raw materials.	09.11-13.11
12.	Realization of pharmaceutical development in the production of medicines with modified release.	16.11-20.11
13.	Preclinical trials of medicines.	23.11-27.11
14.	Clinical trials of medicines.	30.11-04.12
15.	The requirements for the structure and volume of pharmaceutical development.	07.12-11.12
16.	The choice of methods of quality control for medicines.	14.12-18.12
17.	Bioequivalence of medicines.	21.12-24.12

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