

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

THE DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

APPROVED at the Department Session
Protocol No1 of August 31, 2020

**CALENDAR-THEMATIC PLAN
OF PRACTICAL LESSONS FOR EDUCATIONAL DISCIPLINE
«INDUSTRIAL TECHNOLOGY OF DRUGS»
FOR STUDENTS WITH TRAINING IN ENGLISH
7 semester 2020/2021 ed. years**

No	Theme	Date
1	Introduction to the discipline «Industrial Technology of Drugs». The rules of working in laboratory rooms. Safety rules. The development of industrial production of drugs in the Republic of Belarus. Material and energy balance	01.09.20
2	General principles of the organization of drugs production at pharmaceutical enterprises. Rules of GMP. Normative and technical documentation of drugs production	08.09.20
3	The main processes of industrial technology, their role in the drugs production. General concepts of machines and devices. Mechanical processes and equipment	15.09.20
4	Hydromechanical processes and equipment. Basics of hydraulics	22.09.20
5	Hydromechanical processes and equipment	29.09.20
6	Heat processes and equipment	06.10.20
7	Mass-exchanging processes and equipment	13.10.20
8	Colloquium No1 on the topics No 1-7	20.10.20
9	Industrial technology of solid drug forms. Powders and herbal teas production	27.10.20
10	Industrial production of granules and dragee	03.11.20
11	Tablets (characteristics and classification). Theoretical bases of tableting. Excipients used in the tablets production	10.11.20
12	Technological schemes of tablets production. Characteristics of tablet machines	17.11.20
13	Tablets coating. Release of active ingredients. Tests for tablets.	24.11.20
14	Industrial production of capsules. Microencapsulation of drugs	01.12.20
15	Colloquium No2 on the topics No 9-14	08.12.20
16	Credit	15.12.20

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