

EDUCATIONAL INSTITUTION
«BELARUSIAN STATE MEDICAL UNIVERSITY»

THE DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY
WITH ADVANCED TRAINING AND RETRAINING COURSE

APPROVED at the Department Session
Protocol No1 of August 31, 2026

CALENDAR-THEMATIC PLAN
OF LECTURES FOR EDUCATIONAL DISCIPLINE
«INDUSTRIAL TECHNOLOGY OF DRUGS»

for students with training in English
I semester 2026/2027 ed. year (7 educational semester)

№	Theme	Date
1	Principles of organization of medicinal product manufacturing. Terminology. Basic processes of industrial technology, their role in the production of medicinal products. General concepts of machines and apparatuses	01.09.2026
2	Mechanical processes and equipment	15.09.2026
3	Heat-exchanging processes and equipment	29.09.2026
4	Air and water preparation systems at pharmaceutical enterprises	13.10.2026
5	Technology for industrial production of solid dosage forms. Production of powders and herbal mixtures. Study of pharmaceutical-technological properties of powders	27.10.2026
6	Industrial production of granules. Study of pharmaceutical-technological properties of granules	10.11.2026
7	Tablets. Methods of production. Theoretical basis of tableting. Excipients used in tablet production	17.11.2026
8	Quality evaluation of tablets	24.11.2026
9	Coating of tablets. Modern types of tablets	01.12.2026
10	Industrial production of hard gelatin capsules. Industrial production of soft gelatin capsules. Microencapsulation of medicinal products	08.12.2026
11	Industrial production of semi-solid dosage forms. production of ointments, creams, gels, pastes	15.12.2026
12	Industrial production of suppositories, pessaries, and medical pencils	22.12.2026

Head of the Department
of Pharmaceutical Technology,
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N.S.Golyak