



CALENDAR PLAN OF LECTURES

of the discipline “PHARMACY-BASED TECHNOLOGY OF DRUGS”

for 3-rd year students of the specialty 226 Pharmacy, industrial pharmacy

Ph_m18 (5,0)

for the autumn semester of 2020-2021 ed. year

N	Date	Topic	Amount in a h.	Lecturer
SEMANTIC MODULE 1. “GENERAL QUESTIONS OF DRUGS TECHNOLOGY. POWDERS. LIQUID DOSAGE FORMS.”				
1	04.09.20	Modern requirements to the preparation of non-sterile medicines in pharmacies. General questions of powders technology. Technological peculiarities of powders preparation with poisonous and strong-effective substances.	1	ass. prof. Kovalyov V. V.
2	11.09.20	Technology of powders with dyeing, aromatic and hardly grinding substances. Technology of powders with extracts and semiproducts	1	ass. prof. Kovalyov V. V.
3	18.09.20	Liquid dosage forms. Preparation of concentrated solutions. Technology of mixtures by dissolving dry medicinal substances and using concentrated solutions	1	ass. prof. Yuryeva G. B.
4	25.09.20	Special cases of aqueous solutions preparation. Dilution of standard pharmacopoeial liquids. Technology of drops and non-aqueous solutions.	1	ass. prof. Herasymova I. V.
5	02.10.20	Technology of HMC and colloidal solutions.	1	ass. prof. Herasymova I. V.
6	09.10.20	Technology of suspensions preparation	1	prof. Rukhmakova O. A.
7	16.10.20	Technology of emulsions preparation	1	ass. prof. Buryak M. V.
8	23.10.20	Technology of aqueous extractions from medicinal plant raw material and extracts – concentrates	1	ass. prof. Buryak M. V.
Total			8	

Note: The lecture will be online by the ZOOM, time 8³⁰-9¹⁵ (every week).

Acting department chairman,

professor

Rukhmakova O.A.



CALENDAR PLAN OF LABORATORY CLASSES
 of the discipline **“PHARMACY-BASED TECHNOLOGY OF DRUGS”**
 for 3-rd year students of the specialty **226 Pharmacy, industrial pharmacy**
Ph_m18 (5,0) 01-02; 09-10
 for the autumn semester of 2020-2021 ed. year

№	Date	Topic	Amount in a h., type	Points	
				min	max
SEMANTIC MODULE 1. “GENERAL QUESTIONS OF DRUGS TECHNOLOGY. POWDERS”					
1	07.09.20	General questions of drugs technology. Dosing in pharmacy practice. Preparation of powders with medicinal substances different in prescribed quantity, bulk weight and structure of the particles.	4	-	-
2	14.09.20	Preparation of complex powders with poisonous and strong effective substances. Triturations.	4	3	5
3	21.09.20	Preparation of complex powders with dyeing substance, aromatic and hardly grinding substances.	4	3	5
4	28.09.20	Preparation of complex powders with extracts.	4	3	5
5	05.10.20	MC on the topic “General questions of drugs technology. Powders”	4	3	5
SM 1 total :				12	20
SEMANTIC MODULE 2. “LIQUID DOSAGE FORMS”					
6	12.10.20	General requirements to the preparation of homogeneous liquid dosage forms in pharmacies. Preparation of concentrated solutions.	4	2	3
7	19.10.20	Preparation of liquid dosage forms by using concentrated solutions and dissolution of dry medicinal substances.	4	2	3
8	26.10.20	Special cases of solutions preparation. Preparation of liquid dosage forms by diluting standard pharmacopoeia liquids.	4	2	3
9	02.11.20	Drops. Non-aqueous solutions.	4	3	5
10	09.11.20	Preparation of the HMC and colloidal solutions	4	3	5
11	16.11.20	Preparation of suspensions.	4	3	5
12	23.11.20	Preparation of emulsions.	4	3	5
13	30.11.20	Preparation of aqueous extractions from medicinal plant raw material and extracts – concentrates	4	3	5
14	07.12.20	MC on the topic “Liquid dosage forms”	4	3	6
SM 2 total				24	40
15	14.12.20	Final module control : «General questions of drugs technology. Powders. Liquid dosage forms»	3	24	40
TOTAL				60	100

Acting department chairman,

professor

Rukhmakova O.A.



CALENDAR PLAN OF LABORATORY CLASSES

of the discipline "PHARMACY-BASED TECHNOLOGY OF DRUGS"
for 3-rd year students of the specialty 226 Pharmacy, industrial pharmacy

Ph_m18 (5,0) 03-08

for the autumn semester of 2020-2021 ed. year

№	Date	Topic	Amount in a h., type	Points	
				min	max
SEMANTIC MODULE 1. “GENERAL QUESTIONS OF DRUGS TECHNOLOGY. POWDERS”					
1	01.09.20-04.09.20	General questions of drugs technology. Dosing in pharmacy practice. Preparation of powders with medicinal substances different in prescribed quantity, bulk weight and structure of the particles.	4	-	-
2	08.09.20-11.09.20	Preparation of complex powders with poisonous and strong effective substances. Triturations.	4	3	5
3	15.09.20-18.09.20	Preparation of complex powders with dyeing substance, aromatic and hardly grinding substances.	4	3	5
4	22.09.20-25.09.20	Preparation of complex powders with extracts.	4	3	5
5	29.09.20-02.10.20	MC on the topic “General questions of drugs technology. Powders”	4	3	5
SM 1 total :				12	20
SEMANTIC MODULE 2. “LIQUID DOSAGE FORMS”					
6	06.10.20-09.10.20	General requirements to the preparation of homogeneous liquid dosage forms in pharmacies. Preparation of concentrated solutions.	4	2	3
7	13.10.20-16.10.20	Preparation of liquid dosage forms by using concentrated solutions and dissolution of dry medicinal substances.	4	2	3
8	20.10.20-23.10.20	Special cases of solutions preparation. Preparation of liquid dosage forms by diluting standard pharmacopoeia liquids.	4	2	3
9	27.10.20-30.10.20	Drops. Non-aqueous solutions.	4	3	5
10	03.11.20-06.11.20	Preparation of the HMC and colloidal solutions	4	3	5
11	10.11.20-13.11.20	Preparation of suspensions.	4	3	5
12	17.11.20-20.11.20	Preparation of emulsions.	4	3	5
13	24.11.20-11.11.20	Preparation of aqueous extractions from medicinal plant raw material and extracts – concentrates	4	3	5
14	01.12.20-04.12.20	MC on the topic “Liquid dosage forms”	4	3	6
SM 2 total				24	40
15	08.12.20-11.12.20	Final module control : «General questions of drugs technology. Powders. Liquid dosage forms»	3	24	40
TOTAL				60	100

Acting department chairman,

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Rukhmakova O.A.