



CALENDAR-THEMATIC SCHEDULE OF LECTURES
on a subject **BIOPHYSICS, PHYSICAL METHODS OF**
ANALYSIS for 1st year students

of speciality **226 Pharmacy, industrial pharmacy**

(Specialty Title and Code)

ΦΜ(21)*

(group code)

autumn semester, 2021-2022

№	Date	The topic of the lecture	Number of hours	Lecturer
Content module 1. Fundamentals of General Biophysics				
1.	01.09.2021	Mechanical oscillations and waves. Biophysics of muscle contraction.	1	Dr. Mariana BARANNYK
2.	08.09.2021	Molecular Physics. Thermodynamics.	1	Dr. Mariana BARANNYK
3.	15.09.2021	Thermodynamics of biological processes. Molecular Biophysics.	1	Dr. Mariana BARANNYK
4.	22.09.2021	Biophysics of vision. Biophysics of hearing.	1	Dr. Mariana BARANNYK
5.	29.09.2021	Transport of substances through biological membranes.	1	Dr. Mariana BARANNYK
Content module 2. Fundamentals of Applied Biophysics				
6.	06.10.2021	Hydrostatics and hydrodynamics. Biophysics of the blood system.	1	Dr. Mariana BARANNYK
7.	13.10.2021	Electromagnetism. Biophysics of nerve impulses.	1	Dr. Mariana BARANNYK
8.	20.10.2021	Nuclear physics. The action of physical factors on biological objects. Own physical fields of human.	1	Dr. Mariana BARANNYK
9.	27.10.2021	Mathematical Biophysics.	1	Dr. Mariana BARANNYK
10.	02.11.2021	Physical methods of analysis. (Part I)	1	Dr. Mariana BARANNYK
Total:			10	

Note: the lecture is going on Wednesday at 11.20 hours in room № 117
(weekday) (lecture time) (room number)

Head of department of Educational
and Information Technologies,
Professor


(Signature)

Lidiia Kaidalova



CALENDAR-THEMATIC SCHEDULE OF PRACTICAL CLASSES

on a subject **BIOPHYSICS, PHYSICAL METHODS OF
ANALYSIS** for 1st year students

of speciality **226 Pharmacy, industrial pharmacy**

(Specialty Title and Code)

ФМ(21)*
(group code)

autumn semester, 2021-2022

№	Date	The topic of the lesson	Number of hours	The system of assessment, scores	
				min	max
Content module 1. Fundamentals of General Biophysics					
1.	03.09.2021-10.09.2021	Mechanical oscillations and waves. Biophysics of muscle contraction.	4	3	5
2.	17.09.2021-24.09.2021	Molecular Physics. Thermodynamics.	4	3	5
3.	01.10.2021-08.10.2021	Thermodynamics of biological processes. Molecular Biophysics.	4	3	5
4.	15.10.2021-22.10.2021	Biophysics of vision. Biophysics of hearing.	4	3	5
5.	29.10.2021-05.11.2021	Transport of substances through biological membranes.	4	3	5
Thematic module control № 1				3	5
Total in 1st content module:			20	18	30
Content module 2. Fundamentals of Applied Biophysics					
6.	12.11.2021-19.11.2021	Hydrostatics and hydrodynamics. Biophysics of the blood system.	4	3	5
7.	26.11.2021-03.12.2021	Electromagnetism. Biophysics of nerve impulses.	4	3	5
8.	10.12.2021-17.12.2021	Nuclear physics. The action of physical factors on biological objects. Own physical fields of human.	4	3	5
9.	24.12.2021-14.01.2021	Mathematical Biophysics.	4	3	5
10.	21.01.2022-28.01.2022	Physical methods of analysis. The final testing. Increase rating from the module: «Biophysics, physical methods of analysis»	4	3	5
Thematic module control № 2				3	5
Total in 2nd content module:			20	18	30
TOTAL			40	36	60
THE FINAL MODULAR CONTROL				24	40
TOTAL FOR THE STUDY OF THE MODULE				60	100

Head of department of Educational
and Information Technologies,
Professor



 (Signature)

Lidiia Kaidalova