

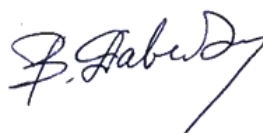
Calendar Schedule of Laboratory Classes in “Medical Biology and General Genetics”
at the Department of Biology for first-year students
studying **Dentistry**

Week No.	Dates	Groups 6147en-6153en				
		Days of the week, class No.				
		Monday	Tuesday	Wednesday	Thursday	Friday
1	01.09-04.09		1	1	1	1
2	07.09-11.09	1	2	2	2	2
3	14.09-18.09	2	3	3	3	3
4	21.09-25.09	3	4	4	4	4
5	28.09-02.10	4	5	5	5	5
6	05.10-09.10	5	6	6	6	6
7	12.10-16.10	6	7	7	7	7
8	19.10-23.10	7	8	8	8	8
9	26.10-30.10	8	9	9	9	9
10	02.11-06.11	9	10	10	10	10
11	09.11-13.11	10	11	11	11	11
12	16.11-20.11	11	12	12	12	12
13	23.11-27.11	12	13	13	13	13
14	30.11-04.12	13	14	14	14	14
15	07.12-11.12	14	15	15	15	15
16	14.12-18.12	15	16	16	16	16
17	21.12-25.12	16	17	17	17	- 17 (ISW)
18	28.12-01.01	17	18	18	18	-
19	04.01-08.01	18	19	19	-	18
20	11.01-15.01	19			19	19

Classes: 01.09.26 – 15.01.27. Examination session: 18-24.01.27

	Topics of classes
1.	The role of biology in medical education. Subject matter, tasks and methods of cytology.
2.	Flow of substance and energy through the cell. The structure of the cell.
3.	Organization of hereditary material.
4.	The flow of genetic information in cell I. Cell cycle
5.	The flow of genetic information in cell I. The Central Dogma of Molecular Biology.
6.	Regulation of gene expression in prokaryotes and eukaryotes
7.	Genetic engineering. Methods of DNA analysis.
8.	Genetic engineering. Transgenesis.
9.	The laws of inheritance. Interactions of genes.
10.	Biology and genetics of sex. Genetic linkage.
11.	Variability. Mutagenesis. Carcinogenesis.
12.	Population-species level of organization of life. Genetics of populations.
13.	Human genetics.
14.	Colloquium in molecular biology and genetics.
15.	Reproduction of human and other mammals.
16.	Basic regularities of ontogenesis in humans and other mammals (
17.	General parasitology.
18.	Medical parasitology I.
19.	Medical parasitology II.

Head of the Biology Department



V.V. Davydov

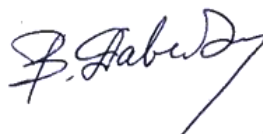
Calendar Schedule of Laboratory Classes in “Biology”
at the Department of Biology for first-year students
studying **Pharmacy**

Week No.	Dates	Group 6161en				
		Days of the week, class No.				
		Monday	Tuesday	Wednesday	Thursday	Friday
1	01.09-04.09		1	1	1	1
2	07.09-11.09	1	2	2	2	2
3	14.09-18.09	2	3	3	3	3
4	21.09-25.09	3	4	4	4	4
5	28.09-02.10	4	5	5	5	5
6	05.10-09.10	5	6	6	6	6
7	12.10-16.10	6	7	7	7	7
8	19.10-23.10	7	8	8	8	8
9	26.10-30.10	8	9	9	9	9
10	02.11-06.11	9	10	10	10	10
11	09.11-13.11	10	11	11	11	11
12	16.11-20.11	11	12	12	12	12
13	23.11-27.11	12	13	13	13	13
14	30.11-04.12	13	14	14	14	14
15	07.12-11.12	14				

Classes: 01.09.26 – 08.01.27. Examination session: 11-17.01.27

#	Topics
1.	The role of biology in medical education. Subject matter, tasks and methods of cytology
2.	Flow of substance and energy through the cell. The structure of the cell
3.	Organization of hereditary material
4.	The flow of genetic information in cell I. Cell cycle
5.	The flow of genetic information in cell I. The Central Dogma of Molecular Biology.
6.	Regulation of gene expression in prokaryotes and eukaryotes
7.	Genetic engineering. Methods of DNA analysis
8.	Genetic engineering. Transgenesis
9.	The laws of inheritance. Interactions of genes
10.	The laws of inheritance. Interactions of genes. Biology and genetics of sex. Genetic linkage
11.	Variability. Mutagenesis. Carcinogenesis
12.	Population-species level of organization of life. Genetics of populations
13.	Human genetics
14.	Reproduction of human and other mammals

Head of the Biology Department



V.V. Davydov

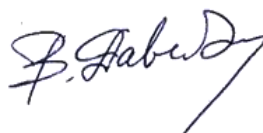
Calendar Schedule of Laboratory Classes in “Medical Biology and General Genetics”
at the Department of Biology for first-year students
studying **General medicine (groups 6114en-6119en)**

Week No.	Dates	Groups 6114en-6119en				
		Days of the week, class No.				
		Monday	Tuesday	Wednesday	Thursday	Friday
1	01.09-04.09		1	1	1	1
2	07.09-11.09	1	2	2	2	2
3	14.09-18.09	2	3	3	3	3
4	21.09-25.09	3	4	4	4	4
5	28.09-02.10	4	5	5	5	5
6	05.10-09.10	5	6	6	6	6
7	12.10-16.10	6	7	7	7	7
8	19.10-23.10	7	8	8	8	8
9	26.10-30.10	8	9	9	9	9
10	02.11-06.11	9	10	10	10	10
11	09.11-13.11	10	11	11	11	11
12	16.11-20.11	11	12	12	12	12
13	23.11-27.11	12	13	13	13	13
14	30.11-04.12	13	14	14	14	14
15	07.12-11.12	14	15	15	15	15
16	14.12-18.12	15	16	16	16	16
17	21.12-25.12	16	17	17	17	-
18	28.12-01.01	17	18	18	18	-
19	04.01-08.01	18				17
20	11.01-15.01					18

Classes: 01.09.26 – 15.01.27. Examination session: 18-24.01.27

№	Topics
1.	The role of biology in medical education. Subject matter, tasks and methods of cytology.
2.	Flow of substance and energy through the cell. The structure of the cell.
3.	Organization of hereditary material.
4.	The flow of genetic information in cell I. Cell cycle
5.	The flow of genetic information in cell I. The Central Dogma of Molecular Biology.
6.	Regulation of gene expression in prokaryotes and eukaryotes
7.	Genomics. Methods of DNA analysis.
8.	Genetic engineering.
9.	Genomics. Methods of DNA analysis. Omic technologies in science and medicine.
10.	Colloquium in molecular biology.
11.	The laws of inheritance. Interactions of genes.
12.	Biology and genetics of sex. Genetic linkage.
13.	Variability. Mutagenesis. Carcinogenesis.
14.	Population-species level of organization of life. Genetics of populations.
15.	Human genetics.
16.	Hereditary diseases.
17.	Medical genetic consultation. Prenatal diagnostics.
18.	Final session on molecular biology and genetics

Head of the Biology Department



V.V. Davydov

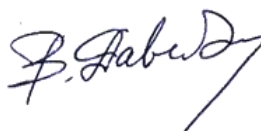
Calendar Schedule of Laboratory Classes in “Medical Biology and General Genetics”
at the Department of Biology for first-year students
studying **General medicine (groups 6120en-6125en)**

Week No.	Dates	Groups 6120en-6125en				
		Days of the week, class No.				
		Monday	Tuesday	Wednesday	Thursday	Friday
1	14.09-18.09	1	1	1	1	1
2	21.09-25.09	2	2	2	2	2
3	28.09-02.10	3	3	3	3	3
4	05.10-09.10	4	4	4	4	4
5	12.10-16.10	5	5	5	5	5
6	19.10-23.10	6	6	6	6	6
7	26.10-30.10	7	7	7	7	7
8	02.11-06.11	8	8	8	8	8
9	09.11-13.11	9	9	9	9	9
10	16.11-20.11	10	10	10	10	10
11	23.11-27.11	11	11	11	11	11
12	30.11-04.12	12	12	12	12	12
13	07.12-11.12	13	13	13	13	13
14	14.12-18.12	14	14	14	14	14
15	21.12-25.12	15	15	15	15+16(ISW)	- 15 (ISW)
16	28.12-01.01	16	16	16	17	- 16(ISW)
17	04.01-08.01	17	17	17	-	17
18	11.01-15.01	18	18	18	18	18

Classes: 14.09.26 – 15.01.27. Examination session: 18-24.01.27

№	Topics
19.	The role of biology in medical education. Subject matter, tasks and methods of cytology.
20.	Flow of substance and energy through the cell. The structure of the cell.
21.	Organization of hereditary material.
22.	The flow of genetic information in cell I. Cell cycle
23.	The flow of genetic information in cell I. The Central Dogma of Molecular Biology.
24.	Regulation of gene expression in prokaryotes and eukaryotes
25.	Genomics. Methods of DNA analysis.
26.	Genetic engineering.
27.	Genomics. Methods of DNA analysis. Omic technologies in science and medicine.
28.	Colloquium in molecular biology.
29.	The laws of inheritance. Interactions of genes.
30.	Biology and genetics of sex. Genetic linkage.
31.	Variability. Mutagenesis. Carcinogenesis.
32.	Population-species level of organization of life. Genetics of populations.
33.	Human genetics.
34.	Hereditary diseases.
35.	Medical genetic consultation. Prenatal diagnostics.
36.	Final session on molecular biology and genetics

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V.V. Davydov