

**PLAN OF PRACTICAL CLASSES**  
**in “Normal Physiology” for the spring term of academic year 2025-2026**  
**for international students in specialty “Dentistry” of the 1<sup>st</sup> year studying in English**

Academic week	Date	Groups: 6147EN, 6148EN, 6151EN					
		Weekdays, Lesson №					
		Mon	Tue	Wed	Thu	Fri	Sat
1	09.02.-13.02.	1	1	1	1	1	×
2	16.02.-20.02.	2	2	2	2	2	×
3	23.02.-27.02.	3	3	3	3	3	×
4	02.03.-06.03.	4	4	4	4	4	×
5	09.03.-13.03.	5	5	5	5	5	×
6	16.03.-20.03.	6	6	6	6	6	×
7	23.03.-27.03.	7	7	7	7	7	×
8	<b>30.03.-03.04.</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	×
9	06.04.-10.04.	9	9	9	9	9	×
10	13.04.-17.04.	10	10	10	10	10	×
11	22.04.-25.04.	→ (25.04)	× (21.04)	11	11	11+12	11
12	27.04.-30.04.	12	11+12	12	<b>12</b>	× (01.05)	×
13	04.05.-08.05.	13	13	13	13	13	×
14	<b>11.05.-15.05.</b>	<b>14</b>	<b>14</b>	<b>14</b>	<b>14</b>	<b>14</b>	×
15	18.05.-22.05.	15	15	15	15	15	×
16	25.05.-29.05.	16	16	16	16	16	×
17	01.06.-05.06.	17	17	17	17	17	×
18	<b>08.06.-12.06.</b>	<b>18</b>	<b>18</b>	<b>18</b>	<b>18</b>	<b>18</b>	×

Lesson №	Topic (3 academic hours)
1	Introduction. The subject and tasks of Normal Physiology. Homeostasis. Physic-chemical properties of blood.
2	Physiological functions of red blood cells. Hematopoiesis. Erythrocytopoiesis. Physiological functions of platelets. Thrombocytopoiesis. Hemostasis system.
3	Physiological functions of white blood cells. Leukopoiesis. Non-specific and specific resistance of the human body. Physiological evaluation of the complete blood count.
4	Blood types. ABO system. Rhesus (Rh) and other systems. Physiological bases of blood matching for the transfusion.
5	Fundamentals of information exchange of the cell with the environment. Chemical signaling. General physiology of endocrine system.
6	Special physiology of endocrine system (thyroid glands, adrenals, pancreas, sex glands)
7	Physiology of bone tissue and regulation of calcium-phosphorus metabolism.
8	<b>Concluding lesson on the sections «Introduction in the academic discipline «Normal Physiology». The basic concepts. The principles of biomedical ethics», «The internal environment of the human body. Physiology of the blood», «Mechanism of physiological functions regulation»</b>
9	Electrical signaling. Laws of action of excitable tissues. Biological potential. Changes of excitability in excitation.
10	Conduction of excitation along nerve fibers. Neuro-muscular synapse.
11	Physiology of skeletal muscles.
12	Physiology of the muscles of the maxillofacial region. Smooth muscles. The concept of myoepithelial and glandular cells.
13	General physiology of the central nervous system.
14	<b>Concluding lesson on section «General Physiology»</b>
15	The role and functions of spinal cord, brain stem, and cerebellum.
16	The role and functions of mesencephalon, forebrain.
17	Physiology of autonomic nervous system.
18	<b>Concluding lesson on the section «Mechanisms of regulation of physiological functions»</b>

Learning session from 09.02.2026 to 12.06.2026. Credit – 102 (3 z.e)

Head of department,  
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