Approved
at the staff meeting of the Normal
Physiology Department 28.08.2026

PLAN OF PRACTICAL CLASSES
in Normal Physiology for the autumn term for academic year 2026/2027
for the international students of General Medicine faculty of the 2nd year studying in English

Week of studying	Date	Groups: batch 1 (6217en-6224en), batch 2 (6225en-6229en, 6232en)					
		Days of the week, lesson					
		Mon	Tue	Wed	Thu	Fri	Sat
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	×
14	30.11.-04.12.	13	14	14	14	15	×
15	07.12.-11.12.	14	15	15	15	16	×
16	14.12.-18.12.	15	16	16	16	17	×
17	21.12.-24.12.	16	17	17	17	×	×
18	**28.12.-31.12**	17	**18**	**18**	**18**	×	×
18	**04.01-08.01**	**18**	×	×	×	**18**	×

Week of studying	Themes of practical classes (4 hours)
1	Introduction. The subject and tasks of Normal Physiology. Homeostasis. Physical and chemical properties of blood.
2	Physiological functions of Red Blood Cells. Hemopoiesis. Erythrocytopoiesis. Physiological functions of platelets. Thrombopoiesis. Hemostasis system
3	Physiological functions of White Blood Cells. Leukopoiesis. Non-specific and specific resistance of the human body. Physiological evaluation of the results of the complete blood count.
4	Blood types. AB0, Rhesus (Rh) and other systems. Physiological bases of blood matching for the transfusion.
5	Bases of information exchange of the cell with the environment. Chemical signaling. General physiology of endocrine system.
6	Special physiology of the endocrine system. Essential hormones, their mechanisms of action and effects.
7	**Concluding lesson on the sections «Introduction. Homeostasis. The internal environment of the human body. Humoral regulation of physiological functions».**
8	Electrical signaling. Laws of excitable tissues. Biological potentials. Excitability changes during excitation.
9	Excitation conduction by nerve fibers. Synaptic transmission.
10	Physiology of muscles.
11	General physiology of the Central Nervous System (CNS).
12	**Concluding lesson on the section «Physiology of excitable tissues».**
13	The role and functions of the spinal cord, brainstem and cerebellum.
14	The role and functions of the diencephalon and telencephalon. Systemic mechanisms of muscle tone and movements regulation.
15	Physiology of the Autonomic Nervous System.
16	General physiology of sensory systems. Visual system.
17	Physiology of auditory, vestibular, taste, olfactory and somatosensory systems.
18	**Concluding lesson on the sections «Nervous regulation of physiological functions. Physiology of sensory systems».**

Classes: 01.09.2026 - 10.01.2027. **Credit (180 ч/5 з.е.)**

Head of the Department
of Normal Physiology,
MD, professor
28.08.2026

I.N. Semenenya