

PLAN OF LABORATORY CLASSES
in Human Anatomy and Physiology for the autumn term for academic year 2026/2026
for the international students of Pharmacy faculty of the 1st year studying in English

Week of studying	Date	Groups: 6161en					
		Weekday, lesson					
		Mon	Tue	Wed	Thu	Fri	Sat
1	01.09.-04.09.		1				×
2	07.09.-11.09.		2				×
3	14.09.-18.09.		3				×
4	21.09.-25.09.		4				×
5	28.09.-02.10.		5				×
6	05.10.-09.10.		6				×
7	12.10.-16.10.		7				×
8	19.10.-23.10.		8				×
9	26.10.-30.10.		9				×
10	02.11.-06.11.		10				×
11	09.11.-13.11.		11				×
12	16.11.-20.11.		12				×
13	23.11.-27.11.		13				×
14	30.11.-04.12.		14				×
15	07.12.-11.12.		15				×
16	14.12.-18.12.		16				×
17	21.12.-24.12.		17				×
18	28.12.-31.12		18				×

Week	Themes of practical classes (3 hours)
1	Introduction. The subject and tasks of human anatomy and physiology. Biological basic of human life activity
2	General concept of tissues. Connective tissues: types, functions. Human skeleton.
3	Homeostasis. Fluid media of the body. Physico-chemical properties of the blood
4	Features of structure and physiological functions of erythrocytes. Hematopoiesis. Erythropoiesis. Features of structure and physiological functions of leukocytes. Leukocytopoiesis.
5	Thrombocytes: features of structures and functions. Thrombocytopoiesis. Hemostasis system. Blood types systems
6	Concluding class on the sections "Introduction. The subject and tasks of human anatomy and physiology. Tissues, their types. Connective tissues: structure and functions. Blood"
7	Epithelial tissues: types, structure features, function. Glandular epithelium, secretion. Glands: types, peculiarities of structure, functions. Skin: peculiarities of structure, functions.
8	Chemical signaling. Morphofunctional organization of endocrine system, anatomy and physiology of hypothalamus, pituitary gland and epiphysis.
9	Special anatomy and physiology of endocrine system. Stress.
10	Male and female reproductive system.
11	Concluding class on the sections "Epithelial tissues: structure and functions. Human anatomy and physiology of endocrine system. Male and female reproductive system".
12	Electrical signaling. Laws of irritation of excitable tissues. Bioelectrical potentials. Changes of excitability during excitation.
13	Nervous tissue: structure, properties. Excitation conduction in nervous fibers. Synaptic transmission
14	Human anatomy and physiology of muscle tissues, its types. Skeletal, smooth muscle tissues: morphofunctional features (macro- and microstructure, contraction mechanism, regulation of activity)
15	General physiology of central nervous system. Refractory theory. Nervous centers: its properties, principles on functioning. Excitation and inhibition in CNS, neurotransmitter mechanism
16	Special anatomy and physiology of autonomic nervous system
17	Concluding lesson on the section "Anatomy and physiology of excitable (nervous and muscle) tissues. Special anatomy and physiology of central nervous system and autonomic nervous system"
18	Special anatomy and physiology of the central nervous system, its role in movement control. Somatic reflexes. Credit

Classes: 01.09.2026 - 10.01.2027. Credit (120 ч/3 з.е.)

Head of the Department
of Normal Physiology,
MD, professor



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