Thematic plan of lectures on normal physiology
for the students of the groups 201a*-205a* (IV semester 2026-2027 year)

№ of lecture	Name of the lecture	Number of hours	Lecturer
1.	**PHYSIOLOGY OF EXCITABLE TISSUES** **Concept about the electric signalization. Excitability.** **Ionic channels. Formation of bioelectric potentials** **Formation and conduction of nervous impulses.** **Synapse transmission.**	**2**	**Senior lecturer** **Brel Y.I.** **10.09.26** **08.00-09.25**
2.	**PHYSIOLOGY OF EXCITABLE TISSUES.** **Physiology of skeletal and smooth muscles.**	**2**	**Senior lecturer** **Brel Y.I.** **24.09.26** **08.00-09.25**
3.	**NERVOUS REGULATION OF PHYSIOLOGICAL FUNCTIONS** **General physiology of the central nervous system** **Neuron. Nervous centers and their properties. Reflex principle of nervous system functioning.** **Inhibition in CNS. Principles of coordination activity of CNS.**	**2**	**Senior lecturer** **Brel Y.I.** **08.10.26** **08.00-09.25**
4.	**NERVOUS REGULATION OF PHYSIOLOGICAL FUNCTIONS** **Particular physiology of the central nervous system.**	**2**	**Senior lecturer** **Brel Y.I.** **22.10.26** **08.00-09.25**
5.	**NERVOUS REGULATION OF PHYSIOLOGICAL FUNCTIONS** **Particular physiology of the central nervous system.** **Autonomous (vegetative) nervous system.**	**2**	**Senior lecturer** **Brel Y.I.** **05.11.26** **08.00-09.25**
6.	**HORMONAL REGULATION OF PHYSIOLOGICAL FUNCTIONS** **Endocrine system, its physiological role in the regulation of hormones formation.** **The mechanisms of hormonal regulation of physiological functions.**	**2**	**Senior lecturer** **Brel Y.I.** **19.11.26** **08.00-09.25**
7.	**PHYSIOLOGY OF RESPIRATION** **External respiration.**	**2**	**Senior lecturer** **Brel Y.I.** **26.11.26** **08.00-09.25**
8.	**PHYSIOLOGY OF RESPIRATION** **Gas transport by blood, gas exchange between blood and tissues.** **Regulation of respiration.**	**2**	**Senior lecturer** **Brel Y.I.** **03.12.26** **08.00-09.25**
	Total amount of hours	16	