

MEDICAL FACULTY – CYCLE I (2025/2026)

PRINCIPLES OF PHYSIOLOGICAL REGULATION OF THE BODY FUNCTIONS. PHYSIOLOGY OF BLOOD.

Seminar	Topic location)	Date/Group/Time	Date/Group/Time
Seminar I	Functions of blood. Erythrocytes. Transport of O ₂ and CO ₂ (Rybacka St.)	Friday 03/10/2025 N2 12:00 N4 14:30	Friday 10/10/2025 N3 12:00 N1 14:30
Seminar II	Internal environment of the body. Fluid compartments. Functions of the cellular membrane (Physiology Dept)	Friday 10/10/2025 N2 12:00 N4 14:30	Friday 03/10/2025 N3 12:00 N1 14:30
Seminar III	Coagulation of blood. Internal didactic regulations (Rybacka St.)	Friday 17/10/2025 N2 12:00 N4 14:30	Friday 24/10/2025 N3 12:00 N1 14:30
Seminar IV	Leukocytes. Immunity (Physiology Dept)	Friday 24/10/2025 N2 12:00 N4 14:30	Friday 17/10/2025 N3 12:00 N1 14:30
Seminar V	Receptive function of the cellular membrane (Rybacka St.)	Friday 07/11/2025 N2 12:00 N4 14:30	Friday 14/11/2025 N3 12:00 N1 14:30
VI	Water balance. Hormonal regulation of the water metabolism (Physiology Dept)	Friday 14/11/2025 N2 12:00 N4 14:30	Friday 07/11/2025 N3 12:00 N1 14:30
Seminar VII	Calcium/Phosphate metabolism.	e-learning	e-learning
Credit of the cycle I – 1st term (CET)		24/11/2025 CET	
Credit of the cycle I – 2nd term (CET)		Within 2 weeks from 24/11/2025	

Unit	Topic (Physiology Dept.)	Date (Monday)
1	Physiology as a scientific discipline concerning homeostasis. General characteristics of the endocrine system. Hormones of the hypothalamus and pituitary gland.	06/10/2025 (4h)
2	Water compartments. Hemolysis. Formed and unformed elements of blood. Sedimentation of erythrocytes. Coagulation of blood. Calcium/phosphate metabolism.	13/10/2025 (4h)
3	Erythrocytes.	20/10/2025 (4h)
4	Leukocytes. Blood typing. Cross-match blood test. Main principles of blood transfusion.	27/10/2025 (4h)
5	Blood as a third homeostatic zone. Complex evaluation of physiological parameters in circulating blood.	03/11/2025 (3h)
Credit of the cycle I – 1st term (CET/CSM)		24/11/2025
Credit of the cycle I – 2nd term		Within 2 weeks from 24/11/2025