

MEDICAL FACULTY – CYCLE III (2025/2026)

PHYSIOLOGY OF THE CARDIOVASCULAR SYSTEM.

Unit	Topic	Date
1	Heart I: Electrocardiography (part I).	19/01/2026 (4h)
2	Heart II: Cardiac muscle. Physical examination of the chest. Hemodynamics of the cardiac action.	02/02/2026 (3h)
3	Heart III: Electrocardiography (part II). Adaptation of the heart to the physical exercise. Cardiac output. PRACTICAL TEST IN ECG.	23/02/2026 (4h)
4	Arterial circulation – basics of hemodynamics. Arterial pulse. Arterial pressure – measurement and regulation. Microcirculation. Venous system.	02/03/2026 (4h)
5	Regulation of the cardiovascular system – part I. Neuroregulation. Baroreceptors. Orthostatic reaction. Orthostatic test. Chemoreceptors. Exercise adaptation of the cardiovascular system. Repetition of failed and/or absent activities in cycle III. Martinet test.	09/03/2026 (4h)
Credit of the cycle III – 1 st term		16/03/2026
Credit of the cycle III – 2 nd term		

Seminar	Topic (location)	Date/Group/Time	Date/Group/Time
Sem. XVII	Electrocardiography	23/01/2026 (N2 12:00) and (N3 12:00) (N1 14:30) and (N4 14:30)	
Sem. XVIII	Mechanical cardiac cycle (Physiology Dept.)	30/01/2026 (N2 12:00) (N4 14:30)	06/02/2026 (N3 12:00) (N1 14:30)
Sem. XIX	Regulation of the cardiac output (Rybacka St.)	06/02/2026 (N2 12:00) (N4 14:30)	30/01/2026 (N3 12:00) (N1 14:30)
Sem. XX	Reflex regulation of the arterial pressure (Physiology Dept.)	27/02/2026 (N2 12:00) (N4 14:30)	06/03/2026 (N3 12:00) (N1 14:30)
Sem. XXI	Factors affecting peripheral resistance. Effects of hormones to CVS. Coronary circulation (Rybacka St.)	06/03/2026 (N2 12:00) (N4 14:30)	27/02/2026 (N3 12:00) (N1 14:30)
Credit of the cycle III – 1 st term		16/03/2026	
Credit of the cycle III – 2 nd term			