Exercise plan for second-year students of the Medical ED program,

winter semester, academic year 2025/2026

Human physiology with elements of clinical physiology

Tuesday	**Gr 3A** (12os) 08.00-11.00 (tydz. 2-14) 08.00-10.15 (tydz. 15)	**Gr 1B** (12os) 11.15-14.15 (tydz. 2-14) 11.15-13.30 (tydz. 15)
Wednesday	**Gr 2A** (12os) 11.15-14.15 (tydz. 2-14) 11.15-13.30 (tydz. 15)	**Gr 1A (12os)** 14.30-17.30 (tydz. 2-14) 14.30-16.45 (tydz. 15)
Thursday	**Gr 2B (12os)** 13.30-16.30 (tydz. 2-14) 13.30-115.45 (tydz. 15)	

Lp.	Tuesday	Wednesday	Thursday	Topic	The instructor of the exercises
1	14.10.	15.10.	09.10.	Electrical activity of the heart. The influence of the autonomic nervous system on electrical activity.	dr M.Zawadka-Kunikowska
2	21.10.	22.10.	16.10.	The structure and role of the cardiac pacemaker. The influence of the autonomic nervous system on conduction velocity in this system. The influence of selected drugs on cardiac function.	dr M.Zawadka-Kunikowska
3	28.10.	29.10.	23.10.	Electrocardiography. (p. 33) Arterial blood pressure and its regulation. The hemodynamic cycle. Regulation of the force of myocardial contraction. The pressure-volume curve in the left ventricle. (p. 35)	dr M.Zawadka-Kunikowska
4	04.11.	05.11.	30.10.	Arterial blood pressure and its regulation. The hemodynamic cycle. Regulation of the force of myocardial contraction. The pressure-volume curve in the left ventricle. (p. 33) Electrocardiography. (p. 35)	dr M.Zawadka-Kunikowska
5	18.11.	12.11.	06.11.	The effect of body position on the circulatory system – orthostatic test. Microcirculation – reactive and passive hyperemia. (p. 33) The effect of static and dynamic physical exercise on the circulatory system. (p. 35)	dr M.Zawadka-Kunikowska

6	25.11.	19.11.	13.11.	The effect of body position on the circulatory system – orthostatic test. Microcirculation – reactive and passive hyperemia. (p. 35)	dr M.Zawadka-Kunikowska
7	02.12.	26.11.	20.11.	The impact of physical exercise on the human body.	dr M.Zawadka-Kunikowska
8	09.12.	03.12.	27.11.	Physiology of the digestive system.	mgr M.Bejtka
9	16.12.	10.12.	04.12.	The mechanism of hydrochloric acid production in the stomach, the role of bile, and the process of absorpion of digestive products. Metabolism. Metabolic rate.	mgr M.Bejtka
10	08.01.*	17.12.	11.12.	Water and electrolyte balance. The effect of drinking solutions of different osmolarity on diuresis.	mgr M.Bejtka
11	13.01.	14.01.	18.12.	Autoregulatory mechanisms in the kidney. Tubular transport mechanisms.	mgr M.Bejtka
12	20.01.	21.01.	15.01.	Parameters for assessing the functional state of the kidneys.	mgr M.Bejtka
13	27.01.	28.01.	22.01.	Mechanics of breathing.	dr W.Adamczyk
14	03.02.	04.02.	29.01.	Spirometry – method of performance and interpretation of results. Regulation of respiratory function.	dr W.Adamczyk

*Zgodnie z organizacją roku akademickiego 2025/2026 w środę 7 stycznia 2026 r. odbędą się zajęcia przewidziane w planie na poniedziałek, w czwartek 8 stycznia 2026 r. odbędą się zajęcia przewidziane w planie na wtorek.

29.08.2025