

Plan ćwiczeń dla stud. II roku kierunku Farmacja ED,

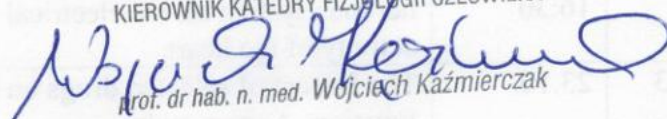
sem. zimowy, rok akadem. 2026/2027

Fizjologia człowieka

Lp.	Piątek	Temat	Prowadzący ćwiczenia
1	09.10. 14:00- 16:30	1 Fundamentals of cell electrophysiology - neuron structure, cell membrane structure, types of ion channels, ion pumps. Origin and characteristics of resting potential. 2 Origin and characteristics of the action potential - excitability of the nerve cell, the role of ion channels, the phenomenon of refractory period in the neuron (PhysioEx). 3. Physiology of skeletal and smooth muscles - mechanism of contraction and regulation of its force.	P. Złomańczuk
2	16.10. 14:00- 16:30	Electrical activity of the heart. Structure and role of the cardiac pacemaker. Influence of the autonomic nervous system on the electrical activity of the heart.	M. Zawadka-Kunikowska
3	23.10. 16:00- 18:30 Wyjątek- wcześniej nie mogą przyjść	The impact of selected drugs on heart function. A case study.	M. Zawadka-Kunikowska
4	30.10. 14:00- 16:30	Hemodynamic cycle, Volume - left ventricular pressure curve. Systolic and diastolic arterial pressure. Mean arterial pressure. Orthostatic test. The role of baroreceptors in the regulation of arterial pressure.	M. Zawadka-Kunikowska
5	06.11. 14:00- 16:30	Regulation of endocrine secretion - hypothalamic-pituitary-thyroid axis. Thyroid hormones - receptors, mechanism of action at the cellular level, systemic effects.	M. Bejtka
6	13.11. 14:00- 16:30	Hormonal regulation of blood glucose concentration.	M. Bejtka
7	20.11. 14:00- 16:30	Blood composition, role of morphotic elements, basic laboratory parameters	W. Adamczyk

8	27.11. 14:00- 16:30	Chemical and physical process of digestion. Metabolism.	W. Adamczyk
9	04.12 14:00- 16:30	Respiratory system.	W. Adamczyk
10	11.12. 14:00- 16:30	1. Glomerular filtration. Autoregulatory mechanisms in the kidney. 2. Mechanisms responsible for changing the composition of urine. The impact of selected diuretics on kidney physiology and urine compositia. 3. Acid-Base physiology".	M. Bejtka

KIEROWNIK KATEDRY FIZJOLOGII CZŁOWIEKA


prof. dr hab. n. med. Wojciech Kaźmierczak