

PROGRAMME OF PHYSIOLOGY LECTURES
D E N T I S T R Y
WINTER SEMESTER (36h), Academic Year 2026 / 2027

2.	22. 9.	GIT-Nutrition-Metabolism + consultations Metabolism in physical activity. Total daily energy expenditure. Main metabolic pathways of proteins, fats and carbohydrates.	Prof. Babinská
3.	29. 9.	Cardiovascular and lymphatic system - physiological properties of the heart, cardiac cycle, heart sounds, arterial pulse	Prof. Radošinská
4.	6. 10.	Cardiovascular and lymphatic system - ECG, hemodynamics	Prof. Radošinská
5.	13. 10.	Cardiovascular and lymphatic system + consultations - regulation of CVS, physiology of the lymphatic system	Prof. Radošinská
6.	20. 10.	Urinary system and AB balance + consultations - functions of renal corpuscle, proximal tubule and loop of Henle	Prof. Radošinská
7.	27. 10.	Urinary system and AB balance - functions of distal tubule and collecting duct, regulations - the volume and osmolarity of urine, AB balance	Prof. Radošinská
8.	3. 11.	Senses + consultations - sensory organs and their functions	Doc. Bakoš
9.	10. 11.	Central nervous system+ consultations - brain development, central processing, sleep and wakefulness	Prof. Ostatníková
10.	17. 11.	Central nervous system - emotions, memory and learning, speech and language	Prof. Ostatníková
11.	24. 11.	Endocrine system and reproduction + consultations - regulatory principles, regulation of volume and ions composition of body liquids, neuroendocr. stress response	Prof. Mravec
12.	1. 12.	Endocrine system and reproduction - thyroid hormones, regulation of metabolism of calcium and phosphates	Prof. Mravec Doc. Pirník
13.	8. 12.	Endocrine system and reproduction - endocrine function of pancreas, sex hormones, pregnancy and lactation Thermoregulation	Doc. Pirník