

Subject card

Subject name and code	Animal histology, PG_00154219						
Field of study	Medical Biology						
Date of commencement of studies	October 2025		Academic year of realisation of subject		2025/2026		
Education level	Bachelor's studies		Subject group		Obligatory subject group in the field of study Subject group related to scientific research in the field of study		
Mode of study	full-time studies		Mode of delivery		at the university		
Year of study	1		Language of instruction		Polish Polish		
Semester of study	1		ECTS credits		2.0		
Learning profile	academic		Assessment form		credit		
Conducting unit	Laboratory of Vertebrate Ecology and Ethology -> Department of Vertebrate Ecology and Zoology -> Faculty of Biology -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		dr Katarzyna Zmudczyńska-Skarbek				
	Teachers		dr Katarzyna Stępniewska				
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	15.0	0.0	0.0	15
	E-learning hours included: 0.0						
Learning activity and number of study hours	Learning activity	Participation in didactic classes included in study plan		Participation in consultation hours		Self-study	SUM
	Number of study hours	15		4.0		31.0	50
Subject objectives	1. Transfer of knowledge concerning the characteristic features of the structure and function of animal tissues. 2. Drawing attention to the relationships between structure and function at the level of tissues, organs and systems. 3. Drawing attention to the structural features of tissues resulting from adaptation to the environment. 4. Developing the ability to use basic laboratory equipment (microscope).						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[BIOLMEDL3_W01] explains the differences in the structure and function of a prokaryotic and eukaryotic cell	explains the differences in the structure of cells belonging to individual animal tissues	[SW4] test/exam - oral or written
	[BIOLMEDL3_W03] knows the structure of the animal or human organism, the processes and functional relationships at the cellular, tissue, organ and organismal levels, and explains their relationship to behavior and adaptation of the organism to changing environmental conditions	knows the structure of individual animal tissues and explains their relationship to their function	[SW4] test/exam - oral or written
	[BIOLMEDL3_K07] Is responsible for the equipment/materials entrusted to him and his own work and respects the work of others	carefully operates the microscope and takes care of histological preparations, is responsible for the equipment/materials entrusted to them and their own work, and respects the work of others	[SK8] observation of student's independent or team work
	[BIOLMEDL3_U01] uses basic apparatus and research tools and, maintaining the correct sequence of operations, performs simple physical, biological or chemical observations and measurements in laboratory work in the biological or medical sciences	operates a light microscope, examines and describes histological specimens	[SU8] observation of student's independent or team work
	[BIOLMEDL3_K04] is able to form opinions about individuals and social groups in a professional context	is able to formulate opinions	[SK5] implementation of a problem task [SK8] observation of student's independent or team work
	[BIOLMEDL3_W06] describes, explains and compares systemic control mechanisms in animal and human organisms (including onto- and phylogenetic points of view) and the neurobiological and genetic basis of different disorders	describes, explains and compares the mechanisms of hormonal and enzymatic control resulting from the work of selected glands	[SW4] test/exam - oral or written
Subject contents	Basic types of animal tissues the relationship between structure and function. Histological structure of selected organs related to the main systems of animals (integument, digestive system, reproductive system, excretory system, endocrine system).		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	identification of tissues in a histological specimen	51.0%	25.0%
	active participation in a team task (identification and description of tissues of a selected system or organ)	51.0%	8.0%
	partial, written tests of knowledge from the main subject areas	51.0%	67.0%
Recommended reading	Basic literature	1. Mescher A.L. Histologia Junqueira. Podręcznik i atlas. Edra Urban & Partner, 2020 2. Young B., Lowe J.S., Stevens A., Heath J.W. WHEATER Histologia. Podręcznik i atlas. Elsevier Urban & Partner Wrocław, 2010 3. Kuryszko J., Zarzycki J. Histologia zwierząt. PWRiL Warszawa, 2000 4. Sawicki W. Histologia. PZWL Warszawa, 2003	
	Supplementary literature	McMillan D., Harris R. An Atlas of Comparative Vertebrate Histology. Academic Press, 2018	
	eResources addresses	Supplementary https://histologyguide.com/slidebox/18-female-reproductive-system.html - histological atlas of human tissues	
Example issues/ example questions/ tasks being completed	not relevant		
Work placement	Not applicable		

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