

Subject card

Subject name and code	Animal histology, PG_00211071						
Field of study	Medical Biology						
Date of commencement of studies	October 2026		Academic year of realisation of subject		2026/2027		
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		
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						
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		3.0		32.0	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_K03] is ready to form opinions about individuals, social groups, and the organization of individual and team work; independently undertakes and initiates simple research activities	is able to formulate opinions	[SK5] implementation of a problem task [SK8] observation of student's independent or team work
	[BIOLMEDL3_K06] 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_W02] has an advanced knowledge and understanding of the structure of the animal or human body, processes and functional relationships at the cellular, tissue, organ and organismal levels, as well as physiological and biochemical processes at an advanced level, and the mechanisms of the pathophysiology of diseases, and explains their relationship with behaviour and the organism's	knows the structure of individual animal tissues and explains their relationship to their function	[SW4] test/exam - oral or written
	[BIOLMEDL3_U01] is able to use and operate basic research equipment and tools employed in molecular-biochemical analysis or neurobiology and, following the correct sequence of steps, carries out simple physical, biological or chemical observations and measurements in laboratory work in the field of biological or medical sciences	operates a light microscope, examines and describes histological specimens	[SU8] observation of student's independent or team work
	[BIOLMEDL3_W01] has an advanced knowledge and understanding of the differences in the structure and function of prokaryotic and eukaryotic cells, the structure and properties of the various types of biological macromolecules, the molecular mechanisms of basic metabolic pathways and the flow of genetic information, and the sources of variation in organisms; explains the laws of inheritance	explains the differences in the structure of cells belonging to individual animal tissues	[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
	partial, written tests of knowledge from the main subject areas	51.0%	67.0%
	active participation in a team task (identification and description of tissues of a selected system or organ)	51.0%	8.0%
	identification of tissues in a histological specimen	51.0%	25.0%
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		

Example issues/ example questions/ tasks being completed	not relevant
Work placement	Not applicable

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