

**Subject card**

<b>Subject name and code</b>	Biological mechanisms of human behavior - auditorium classes, PG_00138141						
<b>Field of study</b>	Criminology						
<b>Date of commencement of studies</b>	October 2026	<b>Academic year of realisation of subject</b>			2026/2027		
<b>Education level</b>	Bachelor's studies	<b>Subject group</b>			Obligatory subject group in the field of study Subject group related to scientific research in the field of study		
<b>Mode of study</b>	full-time studies	<b>Mode of delivery</b>			at the university		
<b>Year of study</b>	1	<b>Language of instruction</b>			Polish		
<b>Semester of study</b>	2	<b>ECTS credits</b>			1.0		
<b>Learning profile</b>	academic	<b>Assessment form</b>			credit		
<b>Conducting unit</b>	Laboratory of Neurophysiology and Neurochemistry -> Department of Animal and Human Physiology -> Faculty of Biology -> Rector						
<b>Name and surname of lecturer (lecturers)</b>	<b>Subject supervisor</b>		dr Grażyna Jerzemowska				
	Teachers						
<b>Lesson types</b>	<b>Lesson type</b>	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	15.0	0.0	0.0	0.0	15
	E-learning hours included: 0.0						
<b>Learning activity and number of study hours</b>	<b>Learning activity</b>	Participation in didactic classes included in study plan		Participation in consultation hours		Self-study	SUM
	Number of study hours	15		0.0		10.0	25
<b>Subject objectives</b>	Understanding human behavior in the context of the functioning of the central and peripheral nervous system.						
<b>Learning outcomes</b>	Course outcome		Subject outcome		Method of verification		
<b>Subject contents</b>	1) Biological mechanisms of human functioning (genetics and behavior; theory of evolution; ethology; eugenics), 2) Structure and development of the nervous system (nerve cells; electrophysiology; CNS: structure of the telencephalon, diencephalon, midbrain, hindbrain; peripheral nervous system), 3) Physiology of sensory receptors, 4) Topographic and functional division of the nervous system, 5) Basic models of the brain-behavior relationship, 6) Hormonal management and the main neurotransmitter systems of the brain and their role in behavior, 6) Selected behavioral disorders and cognitive deficits resulting from abnormal functioning of the CNS, 7) Neuroimaging and contemporary directions of development of neurosciences.						
<b>Prerequisites and co-requisites</b>	Knowledge of human biology at the primary school level.						
<b>Assessment methods and criteria</b>	<b>Subject passing criteria</b>		<b>Passing threshold</b>		<b>Percentage of the final grade</b>		
	The degree of student involvement in the discussion during the exercises.		0.0%		20.0%		
	Average grade from positive partial grades from tests and issues developed in the form of presentations/reports/problem tasks ("Regulations of UG Studies")		51.0%		80.0%		

Recommended reading	Basic literature	Lewandowska D., Orzeł-Gryglewska J. Fizjologia zwierząt i człowieka przewodnik do ćwiczeń, Wydawnictwo UG, 2009  Kalat J.W. Biologiczne podstawy psychologii, PWN, Warszawa, 2006,
	Supplementary literature	Traczyk W.Z. Fizjologia człowieka w zarysie PZWL, 2024  Górska T., Grabowska A., Zagrodzka J. (red.) Mózg a zachowanie. Wydawnictwo Naukowe PWN, Warszawa, 1997.  Narkiewicz O., Moryś J. Neuroanatomia czynnościowa i kliniczna, Wydawnictwo PZWL, 2013
	eResources addresses	
Example issues/ example questions/ tasks being completed	1) Nerve cells (structure and division), Electrophysiology, 3) Neurodegenerative diseases associated with impaired functioning of the extrapyramidal system	
Work placement	Not applicable	

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