

Subject card

Subject name and code	Behavioural Neurobiology, PG_00152021						
Field of study	Psychology						
Date of commencement of studies	October 2026	Academic year of realisation of subject				2027/2028	
Education level	uniform Master's studies	Subject group				Obligatory subject group in the field of study	
Mode of study	full-time studies	Mode of delivery				at the university	
Year of study	2	Language of instruction				Polish	
Semester of study	4	ECTS credits				2.0	
Learning profile	academic	Assessment form				exam	
Conducting unit							
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. Irena Majkutewicz				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	30.0	0.0	0.0	0.0	0.0	30
	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	30		5.0		25.0	60
Subject objectives	<p>Familiarizing the student with the history, methodology and latest trends in neurobiology Familiarizing the student with the neurobiological foundations of human functioning To lay the groundwork for the skilful diagnosis of disorders originating in pathologies of brain function Awakening sensitivity to the problems of a patient with mental or neurological disorders</p>						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[PSYCHJ5_W05] Has a structured and in-depth knowledge of the specialization of psychology, including terminology, theory, and methodology.	The student describes the subject of research and methods used in neurobiology.	[SW4] test/exam - oral or written
	[PSYCHJ5_U12] He/she knows the symptoms and causes of selected methods of health assessment as well as the symptoms and causes of selected disorders and lesions to the extent necessary for the studied field of study.	The student predicts the behavioral effects of specific changes in brain functioning at the structural or synaptic level. The student assigns to selected neurological and mental diseases their characteristic symptoms and changes in the structure and functioning of brain structures.	[SU4] test/exam - oral or written
	[PSYCHJ5_K10] He/she shows respect for the patient, client, social groups and care for their well-being.	The student remains open and tolerant towards people with various behavioural disorders, understanding their cause and consequences.	[SK4] test/exam - oral or written
	[PSYCHJ5_W10] Has an in-depth and expanded knowledge of the biological, pedagogical, social and philosophical bases of human mental functioning; understands the nature of functionality and dysfunctionality, harmony and disharmony, norm and pathology.	The student characterizes the function of individual brain structures or their functional systems.	[SW4] test/exam - oral or written
[PSYCHJ5_W01] He/she knows the terminology used in psychology and its application in related disciplines at the advanced level.	Student knows the terminology used in neurobiology.	[SW4] test/exam - oral or written	
Subject contents	Behavioural neurobiology the subject of research, history and methods used in it. A general outline of the functional anatomy of the brain. Neuronal activity and synaptic transmission. The limbic system the neural basis of emotions. Central mechanisms controlling defensive reactions. Central regulation of food intake and its disorders (anorexia, bulimia). Sexual behaviour neurohormonal regulation. Sexual dimorphism of the brain. Transsexualism and homosexuality. The brain's reward system and addiction. Central action of psychoactive substances. Neural basis of learning and memory. The impact of computer games on the brain and psychomotor skills. Chronobiology central regulation of biological rhythms. Motion control mechanisms. Neurobiological basis of selected mental diseases and disorders.		
Prerequisites and co-requisites	Passed the course: Biological basis organisms' functioning		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	written test	51.0%	100.0%
Recommended reading	Basic literature	B. Sadowski: Biologiczne mechanizmy zachowania się ludzi i zwierząt, PWN, 2012. T. Górską, A. Grabowska, J. Zagrodzka [Eds]: Mózg a zachowanie, PWN, 2011.	
	Supplementary literature	D. Lewandowska D., Orzeł-Gryglewska J., Jurkowlanec E. (Eds) "Fizjologia zwierząt i człowieka", Wydawnictwo Uniwersytetu Gdańskiego, 2019. B. Gołąb "Anatomia czynnościowa ośrodkowego układu nerwowego", PZWL, 2021.	
	eResources addresses		
Example issues/ example questions/ tasks being completed			
Work placement	Not applicable		

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