

Subject card

Subject name and code	Neurophysiological Foundations of Communication, PG_00151591						
Field of study	Logopedics						
Date of commencement of studies	October 2025		Academic year of realisation of subject		2025/2026		
Education level	Master's studies		Subject group		Obligatory subject group in the field of study		
Mode of study	part-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	practical		Assessment form		exam		
Conducting unit	Institute of Logopaedics -> Faculty of Languages -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		prof. dr hab. Mirosław Michalik				
	Teachers		prof. dr hab. Mirosław Michalik				
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	15.0	0.0	0.0	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		2.0		33.0	50
Subject objectives	Discusses issues related to the functioning and damage of various functional systems in the central and peripheral nervous system involved in verbal and non-verbal communication.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[LOGMU2_W04] Has an in-depth, structured knowledge of linguistic development in norm and pathology and the factors affecting its course.	Has a comprehensive and structured knowledge of the issues presented	[SW4] test/exam - oral or written
	[LOGMU2_U09] He is able to communicate, using linguistic, speech therapy and medical terminology with the use of various communication channels and techniques, with specialists of other scientific disciplines and non-specialists in Polish and a foreign language.	critically analyzes and interprets descriptions of observed disorders in patients and their diagnoses made by rehabilitators of other specialties, is able, while using terminology in a professional manner, to cooperate with other specialists	[SU1] oral statement/conversation/discussion [SU4] test/exam - oral or written
	[LOGMU2_U13] He is able to plan and implement his own learning in the social and medical sciences relevant to speech therapy.	can independently and critically use a variety of sources and use the information gathered from them in the work of a speech therapist	[SU1] oral statement/conversation/discussion [SU4] test/exam - oral or written
	[LOGMU2_K04] He is aware of his own limitations and knows when there is a need to turn to experts in fields relevant to speech therapy.	Cooperates with other specialists treating the patient undergoing treatment; is able to appropriately determine priorities for the implementation of a task defined by himself or others, adequate to the relevant needs of the patient; is able to properly form opinions and judgments on various aspects of his profession.	[SK1] oral statement/conversation/discussion
	[LOGMU2_U06] He has in-depth skills in identifying the biomedical and psychological determinants of language problems and dysphagia in the patient, and can analyze and interpret information gathered from medical and psychological sources.	can characterize the neuroanatomical basis of the syndromes discussed; has the ability to understand the patient's neurological localization diagnosis	[SU1] oral statement/conversation/discussion [SU4] test/exam - oral or written
	[LOGMU2_K06] Able to independently and critically supplement knowledge and skills in medicine and social sciences.	Understands the need for continuous expansion of knowledge in the field of neurology; understands the necessity of continuous improvement of acquired skills and enrichment of the resource of working methods used in speech therapy practice	[SK1] oral statement/conversation/discussion
	[LOGMU2_W12] He knows and understands in depth the biomedical basis of human development and communication skills, as well as the changes in speech and language with age.	He has an in-depth knowledge of the biomedical basis of speech and language development and the factors affecting the process.	[SW4] test/exam - oral or written
	[LOGMU2_W07] He has an in-depth and expanded knowledge of language communication disorders and eating disorders of various etiologies in adults, the principles of their diagnosis and treatment programming.	knows what is the impact of the discussed functional disorders on the formation of speech disorders; knows the methods and principles of diagnosis of the discussed dysfunctions of the nervous system.	[SW4] test/exam - oral or written
Subject contents	Motor system: pyramidal syndrome, peripheral neuron syndrome. Sensory pathways: touch, pain and temperature, proprioceptive sensation. Pupillary and pseudobulbar syndrome. Cerebellar syndrome. Trunk syndromes. Sensory organs - visual pathway (visual field disorders, visual apraxia, visual agnosia), auditory (conductive hearing loss, sensorineural hearing loss). The concept of aphasia and dysarthria. Types of aphasia. Disorders of consciousness. Behavioral and mood disorders.		
Prerequisites and co-requisites	Nie dotyczy		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Passing a test exam, verifying the established learning outcomes	51.0%	100.0%

Recommended reading	Basic literature	• Moryś J., Narkiewicz O. (2011): Neuroanatomia czynnościowa i kliniczna, PZWL. • Neurologia kliniczna dla lekarzy i studentów medycyny (2007): red. R. Mazur, Via Medica. • Netter F. Układ nerwowy atlas anatomii • Prusiński A. (2011): Neurologia praktyczna, PZWL.
	Supplementary literature	• Podemski R. (2019): Kompendium neurologii, Via Medica.
	eResources addresses	
Example issues/ example questions/ tasks being completed	Nie dotyczy	
Work placement	Not applicable	

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