

Subject card

Subject name and code	Basics of Genetics for Speech Therapists, PG_00150669						
Field of study	Logopedics						
Date of commencement of studies	October 2025		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	3		Language of instruction		Polish		
Semester of study	5		ECTS credits		1.0		
Learning profile	practical		Assessment form		credit		
Conducting unit	Institute of Logopaedics -> Faculty of Languages -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		prof. dr hab. n. med. Jolanta Wierzbą				
	Teachers						
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		1.0		9.0	25
Subject objectives	The student understands the basics of inheritance and knows the basic chromosomal aberrations and genetically determined syndromes associated with intellectual disabilities and speech disorders. He understands the pathophysiology of disorders of the human prenatal development process. The student has an understanding of which children should be referred to genetic counseling centers, He understands the need for active cooperation with the clinical geneticist.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[LOGJ5_W13] He knows and understands in depth the biomedical and psychological causes of speech and language disorders occurring in people of different ages.	Learns the basic principles of inheritance of genetically based diseases conditioned; knows the specific genetic syndromes that impair a child's ability to communicate and how to provide multispecialty care in such cases.	[SW4] test/exam - oral or written [SW5] implementation of a problem task
	[LOGJ5_W15] Knows at an in-depth level the terminology of the social sciences (pedagogy, psychology and special education) and medical sciences relevant to the field of speech therapy. He understands its origin and knows the principles of application within related scientific disciplines.	Acquires knowledge of the nomenclature used when describing developmental defects particularly those involving the craniofacial and speech apparatus; can use basic genetic terms and understands the meaning of basic terms used in clinical genetics.	[SW4] test/exam - oral or written [SW5] implementation of a problem task
	[LOGJ5_K06] Can independently and critically supplement knowledge and skills in medicine, social sciences and fields useful to speech therapists.	Able to independently supplement knowledge and skills in the field of medicine; recognizes the need for cooperation between the community of doctors and speech therapists, understanding the need for an interdisciplinary team to help a child with a genetic disease.	[SK5] implementation of a problem task
	[LOGJ5_W12] He knows and understands in depth the biomedical background of human development and communication skills, as well as their disorders, the structure and function of the human body, relevant to speech therapy and the changes in speech and language with age.	Knows the special considerations of working with a child with a genetic disease; knows the principles of genetic counseling; learns the basic stages of caring for a child with a genetic disease.	[SW4] test/exam - oral or written [SW5] implementation of a problem task
	[LOGJ5_U06] He has in-depth skills in identifying biomedical and psychological conditions of language problems and dysphagia in the patient, can analyze and interpret information gathered from medical and psychological sources and, using medical terminology, explain complex speech therapy problems.	Can use basic genetic terms and understands the meaning of basic dysmorphological terms; has an understanding of which children should be referred to genetic clinics; can recognize a patient who should be genetically diagnosed.	[SU4] test/exam - oral or written [SU5] implementation of a problem task
	[LOGJ5_U13] Recognizing the need to deepen knowledge of the structure and functioning of the human body (nervous system, hearing and speech organs), he is able to plan and implement his own learning in the social and medical sciences relevant to speech therapy.	Can interpret the obtained genetic test result and use it in working with the patient.	[SU4] test/exam - oral or written [SU5] implementation of a problem task
Subject contents	- Basic genetic terms.- Types of inheritance, including the principles of Mendelian and non-Mendelian inheritance.- Basic terms used in dysmorphology.- Developmental defects and their impact on the further development of the child with special attention to facial defects.- Chromosomal aberrations, taking into account microaberrations.- Genetics of intellectual disabilities with communication disorders.- Genetic counseling.- Basic research techniques, interpretation of genetic test results.		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	A test of the semester's content	51.0%	100.0%
Recommended reading	Basic literature	Nie dotyczy	
	Supplementary literature	Nie dotyczy	
	eResources addresses		
Example issues/ example questions/ tasks being completed			
Work placement	Not applicable		

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