

Subject card

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| Subject name and code | Basics of Genetics for Speech Therapists, PG_00150669 | | | | | | |
| Field of study | Logopedics | | | | | | |
| Date of commencement of studies | October 2024 | Academic year of realisation of subject | | | | 2026/2027 | |
| Education level | | 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 | | | | | |
| Conducting unit | Instytut Logopedii -> Faculty of Languages | | | | | | |
| Name and surname of lecturer (lecturers) | Subject supervisor | | prof. dr hab. n. med. Jolanta Wierzba | | | | |
| | 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. | | | | | | |

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| Learning outcomes | Course outcome | Subject outcome | Method of verification |
| | [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 |
| | [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_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_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_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_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 | |
| 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 | Adresy na platformie eNauczanie: | |
| Example issues/ example questions/ tasks being completed | | | |
| Work placement | Not applicable | | |

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