

**Subject card**

<b>Subject name and code</b>	Methods of Scientific Research, PG_00150949						
<b>Field of study</b>	Logopedics						
<b>Date of commencement of studies</b>	October 2024	<b>Academic year of realisation of subject</b>			2026/2027		
<b>Education level</b>		<b>Subject group</b>			Obligatory subject group 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>	3	<b>Language of instruction</b>			Polish		
<b>Semester of study</b>	6	<b>ECTS credits</b>			1.0		
<b>Learning profile</b>	practical	<b>Assessment form</b>					
<b>Conducting unit</b>	Instytut Logopedii -> Faculty of Languages						
<b>Name and surname of lecturer (lecturers)</b>	<b>Subject supervisor</b>		dr Aneta Lica				
	<b>Teachers</b>						
<b>Lesson types</b>	<b>Lesson type</b>	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	<b>Number of study hours</b>	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
	<b>Number of study hours</b>	15		1.0		9.0	25
<b>Subject objectives</b>	<ol style="list-style-type: none"> <li>1. Providing students with knowledge about undertaking and conducting scientific research, including the basics of speech therapy research methodology.</li> <li>2. Development of the ability to formulate and justify research problems and hypotheses.</li> <li>3. Indication of sources of knowledge and rules of their use in the scientific work of speech therapists.</li> <li>4. Provision of information on research methods, techniques and tools and presentation of the results of research in speech therapy.</li> <li>5. Determination of ethical principles in scientific research.</li> <li>6. Providing information about copyrights and plagiarism.</li> </ol>						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[LOGJ5_K05] He is ready to build proper ties in the social environment and to initiate activities for the benefit of the social environment, prepared to responsibly perform the professional roles of a teacher and school speech therapist, including adherence to the principles of professional ethics and demanding this of others, as well as caring for the achievements and traditions of the profession.	They have excelled in the field of knowledge and professional activities. It aims to deepen the knowledge and improve the skills necessary for effective and ethical work with people with defects or diseases of the organs of voice, speech and hearing. He is aware of the limitations and understands the need to consult with experts.	[SK1] oral statement/conversation/discussion [SK3] text preparation/written work
	[LOGJ5_U07] He/she has an in-depth ability to prepare oral speeches and a variety of written works in Polish and in a foreign language considered basic for the fields of science and scientific disciplines relevant to the field of study of speech therapy. He/she is able to critically evaluate the composition and linguistic correctness and correct errors in his/her own and others' written and oral statements, using the acquired linguistic knowledge.	Has the ability to assess formal and technical aspects of writing a thesis.	[SU1] oral statement/conversation/discussion [SU3] text preparation/written work
	[LOGJ5_W02] He knows and understands the methodology of scientific research applied in the fields of humanities and social sciences, the main development trends and fundamental dilemmas of linguistics and speech therapy, as well as the theories explaining the complex relationships between them in their study and application to solving social problems.	Knows detailed rules and methods of scientific work, research and scientific publications in the field of methodology of scientific work (K_W02), He knows the typology of sciences and the structure of a single science. Recognizes the place of speech therapy within the humanities, biological and social sciences, He knows the subject of speech therapy. It names and explains the fields of discipline, Can characterize the methods and tools used in speech therapy.	[SW1] oral statement/conversation/discussion [SW3] text preparation/written work
	[LOGJ5_K03] He is ready to observe and develop professional ethics and care for the ethos of the profession.	Is ready to comply with the rules of professional ethics and care for the social and professional image of the speech therapist, is ready to present a high ethical and professional standard, both in terms of patient welfare and professional reputation.	[SK3] text preparation/written work
	[LOGJ5_U01] Able to distinguish methodological orientations in scientific research, search, analyze, evaluate, select and integrate information in the field of linguistics (including speech therapy) using various sources, selection and application of appropriate methods and tools, including advanced information and communication technologies (ICT) in order to formulate critical judgments on this basis, solve complex problems and carry out tasks in an innovative manner.	Knows the detailed principles and methods of scientific work, scientific research and scientific publications in the field of scientific work methodology, formulates research problems, interprets and draws conclusions and formulates opinions from news related to professional competences, has the ability to analyse, assess and draw conclusions and to modify the scientific activities undertaken in accordance with the development of the situation, can explain the aims of science. Demonstrate relationships between diagnostic, prognostic and anagnostic procedures, has the ability to select the appropriate test tool in specific cases.	[SU1] oral statement/conversation/discussion [SU3] text preparation/written work

	Course outcome	Subject outcome	Method of verification
	[LOGJ5_U10] He is able to apply the principles of methodology of task performance, norms (ethical, professional) of designing and conducting scientific research and the provisions of the law, in particular copyright law and related to the management of intellectual property, as well as procedures and good practices used in institutions or ventures, related to the selected sphere of speech therapy and pedagogical activity.	Can identify unethical behaviour when conducting and documenting research.	[SU1] oral statement/conversation/discussion [SU3] text preparation/written work
	[LOGJ5_W17] He knows the legal and other conditions of research in linguistics (including speech therapy) and the conditions of application of the results of this research, the principles of operation and protection of intellectual property and copyright, as well as the principles in the field of industrial property protection and the need to manage intellectual property resources.	Has basic knowledge of copyright and plagiarism as a result of misappropriation of property.	[SW1] oral statement/conversation/discussion [SW3] text preparation/written work
Subject contents	<p>Stages of scientific and research work. Scientific problems, topic of work, thesis, hypothesis.</p> <p>Research methods, techniques and tools (diagnostic survey method, documentation analysis method). Constructing a survey questionnaire.</p> <p>Discussion of the methods of selecting the test sample. Variables and indicators. Ethics in research.</p> <p>Copyright. Plagiarism as a result of the appropriation of someone else's property.</p> <p>Preparation of data for analysis and their analysis. Survey analysis. Documentary analysis method.</p> <p>Sources of knowledge and their use. Criteria for correct selection of literature for the subject and its use for scientific purposes.</p> <p>Formal-technical aspect of scientific work language, bibliography, annexes.</p>		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	participate in the discussion	51.0%	30.0%
	written work	51.0%	70.0%
Recommended reading	Basic literature	<ul style="list-style-type: none"> <li>Apanowicz J., 2005, Metodologiczne uwarunkowania pracy naukowej. Warszawa.</li> <li>Bauman T., Plich T., 2001, Zasady badań pedagogicznych: strategię ilościowe i jakościowe, Warszawa.</li> <li>Creswell John W., 2013, Projektowanie badań naukowych. Metody jakościowe, ilościowe i mieszane. Kraków.</li> <li>Grabias S., 2012, Teoria zaburzeń mowy. Perspektywy badań, typologie zaburzeń, procedury postępowania logopedycznego. W: S. Grabias, M. Kurkowski (red.) Logopedia. Teoria zaburzeń mowy. Lublin.</li> <li>Maszke A. W., 2004, Metodologiczne podstawy badań pedagogicznych, Rzeszów.</li> <li>Milewski S., Kaczorowska-Bray K.(red.), 2015, Metodologia badań logopedycznych z perspektywy teorii i praktyki, Gdańsk.</li> </ul>	

	Supplementary literature	<ul style="list-style-type: none"> <li>• Flick U., 2010, Projektowanie badania jakościowego, Warszawa.</li> <li>• Gibbs G., 2011, Analizowanie danych jakościowych. Niezbędnik badacza, Warszawa.</li> <li>• Hamerlińska-Latecka A., 2016, Logopedia a metodologia badań społecznych, [w:] Problemy badawcze i diagnostyczne w logopedii, I. Jaros, R. Gliwo (red.), Łódź.</li> <li>• Janas-Kaszczuk J., Tarkowski Z., 1991, O metodologii logopedii. Wprowadzenie do badań nad teorią i metodyką logopedii, Lublin.</li> <li>• Kiebzak-Mandera D., Białecka-Pikul M., 2012, Metodologia badań psycholingwistycznych: badania eksperymentalne, Polonica, t. XXXII.</li> <li>• Kvale S., 2010, Prowadzenie wywiadów, Warszawa.</li> <li>• Kurowska M., Wolańska E. (red.), 2015, Metody i narzędzia diagnostyczne w logopedii, Warszawa.</li> <li>• Grabias S., 2015, Postępowanie logopedyczne. Standardy terapii. W: S. Grabias, J. Panasiuk, T. Woźniak (red.) Logopedia. Standardy postępowania logopedycznego, Lublin.</li> <li>• Rapley T., 2010, Analiza konwersacji, dyskursu i dokumentów, Warszawa.</li> <li>• Silverman D., 2009, Interpretacja danych jakościowych. Metody analizy rozmowy, tekstu i interakcji, Warszawa.</li> <li>• Silverman D., 2010, Prowadzenie badań jakościowych, Warszawa.</li> </ul>
	eResources addresses	Adresy na platformie eNauczanie:
Example issues/ example questions/ tasks being completed		
Work placement	Not applicable	

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