

Subject card

Subject name and code	Methods of linguistic research, PG_00189328						
Field of study	English Studies						
Date of commencement of studies	October 2026	Academic year of realisation of subject				2026/2027	
Education level	Master's studies	Subject group				Obligatory subject group in the field of study Subject group related to scientific research in the field of study	
Mode of study	part-time studies	Mode of delivery				at the university	
Year of study	1	Language of instruction				English	
Semester of study	1	ECTS credits				3.0	
Learning profile	academic	Assessment form				exam	
Conducting unit	Division of Corpus Linguistics and Glottodidactics -> Institute of English and American Studies -> Faculty of Languages -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		mgr Dagmara Solska				
	Teachers		mgr Dagmara Solska				
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	14.0	0.0	0.0	0.0	0.0	14
	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	14		1.0		60.0	75
Subject objectives	The aim of the course is to familiarize students with basic concepts and research methods used in linguistics and applied linguistics, both qualitative and quantitative (with elements of statistics).						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[FAMU2_K02] Is prepared to recognise the importance of knowledge and skills in English Studies in solving cognitive and practical problems and to seek the advice of a supervisor in their chosen place of work in the event of difficulty in solving problems on their own.	The student is prepared to recognize the significance of knowledge and skills in the field of methodology of linguistics for solving cognitive and practical problems, as well as seeking advice from a supervisor when facing difficulties in independent problem-solving	[SK1] oral statement/conversation/discussion
	[FAMU2_K01] Is ready to critically evaluate the extent of their knowledge and skills, in particular in the field of English-language linguistics and literature and English.	The student is ready to critically assess their own knowledge in the field of The student is ready to critically assess their own knowledge in the field of computational data analysis and statistics, they understand the role of this knowledge in cognitive and practical problem solving occurring in social life	[SK1] oral statement/conversation/discussion
	[FAMU2_U06] Can communicate in speech and writing in English and Polish with diverse audiences on specialized topics in the field of linguistics and literature, also using advanced specialized terminology.	The Student is able to communicate orally and in writing in English with diverse audiences on specialized topics related to linguistic research methodologies, using advanced terminology	[SU2] presentation/project/paper/report
	[FAMU2_W09] Knows and understands to an in-depth extent advanced methods of analysis relevant to linguistics, including, in particular, those applicable to English language studies.	The student knows and understands the main tendencies in the development of linguistics, particularly as regards research into the English language	[SW4] test/exam - oral or written
	[FAMU2_W03] Knows and understands in depth advanced research methodologies and theories in the field of English linguistics.	The student knows and understand in-depth advanced research methodologies and theories in the field of English Linguistics	[SW4] test/exam - oral or written
	[FAMU2_W01] Knows and understands in depth selected issues constituting advanced general knowledge in the field of English linguistics	The students know the in-depth subject-specific terminology and trends in future developments in the field of study, they have an extended and advanced knowledge of select topics regarding corpus linguistics as well as related fields, such as textual and numerical data analysis and statistics.	[SW4] test/exam - oral or written
	[FAMU2_W07] Knows and understands to an in-depth extent selected issues constituting advanced detailed knowledge in the field of linguistics, including, in particular, research into the English language.	The student knows and understands in-depth selected topics constituting advanced detailed knowledge in the field of methodology of linguistics, particularly related to research on the English language	[SW4] test/exam - oral or written
	[FAMU2_W05] Knows and understands advanced terminology in the field of linguistics, in particular those used in English language studies.	The student knows and understand in-depth advanced terminology used in the field of methodology of linguistics.	[SW4] test/exam - oral or written

Subject contents

Topics in research methodology:

1. Types of research:

-longitudinal vs cross-sectional,

-inductive vs deductive research,

-qualitative vs quantitative research

2. Research quality

-reliability

-validity

3. Stages of doing research

4. Hypothesis testing, null vs. alternative hypothesis

5. Data collection and sampling methods

-probability sampling methods

-non-probability based sampling methods

6. Quantitative data analysis vs qualitative data analysis an overview of options (language corpora, basic statistical calculations ; diaries, interviews, case studies, etc.)

7. Experiments vs. quasi-experiments vs. semi-experiments

8. Types of interviews

9. Designing surveys and questionnaires

10. Language corpora

11. Research results presentation and visualization

Topics in statistics

1. Descriptive vs inferential statistics

2. Central tendency

	<p>3. Standard deviation, variance, standard error</p> <p>4. Degrees of freedom</p> <p>5. Types of data</p> <p>6. Normal distribution</p> <p>7. Parametric vs non-parametric data</p> <p>8. Types of variables</p> <p>9. Alpha vs p-value</p> <p>10. Type I error vs Type II error</p>						
Prerequisites and co-requisites	Level of English at C1 according to CEFR						
Assessment methods and criteria	<table border="1"> <thead> <tr> <th>Subject passing criteria</th> <th>Passing threshold</th> <th>Percentage of the final grade</th> </tr> </thead> <tbody> <tr> <td>project</td> <td>51.0%</td> <td>100.0%</td> </tr> </tbody> </table>	Subject passing criteria	Passing threshold	Percentage of the final grade	project	51.0%	100.0%
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<p>Example issues/ example questions/ tasks being completed</p>	<ul style="list-style-type: none"> • Czym jest pytanie badawcze i jak je poprawnie sformułować w lingwistyce? • Jak dobrać odpowiednią metodologię do badań ilościowych i jakościowych w językoznawstwie? • Jakie są różnice między badaniami eksploracyjnymi a konfirmacyjnymi? • Jak tworzyć i opracowywać korpus do badań językowych (własny lub przy użyciu dostępnych zbiorów)? • Jakie narzędzia umożliwiają analizę danych korpusowych (AntConc, Sketch Engine, spaCy)? • Jak przeprowadzić prostą analizę statystyczną danych językowych (frekwencje, korelacje, testy istotności)? • Jak czytać i interpretować wyniki statystyczne w kontekście badań lingwistycznych? • W jaki sposób wizualizować dane językowe (np. wykresy słów kluczowych, kolokacji)? • Jak opracować projekt badawczy: od pytania badawczego, przez dane, analizę, aż po wnioski? • Zadanie: zaprojektuj mini-projekt badawczy na podstawie danych korpusowych i wykonaj jego podstawową analizę.
<p>Work placement</p>	<p>Not applicable</p>

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