

Subject card

Subject name and code	Computer Linguistic Resources, Systems and Tools used in NLP, PG_00150248						
Field of study	English Studies						
Date of commencement of studies	October 2024	Academic year of realisation of subject			2024/2025		
Education level	Master's studies	Subject group			Obligatory subject group in the field of study Optional subject group Subject group related to scientific research in the field of study		
Mode of study	full-time studies	Mode of delivery			at the university		
Year of study	1	Language of instruction			English		
Semester of study	2	ECTS credits			2.0		
Learning profile	academic	Assessment form					
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		dr Joanna Redzimska				
	Teachers		dr Joanna Redzimska				
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	30.0	0.0	0.0	0.0	30
	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	30		0.0		18.0	48
Subject objectives	This course aims to familiarize participants with computational linguistic resources, tools, and systems used in natural language processing, as well as the principles of their design and methods of analysis.						

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 ready to recognize the importance of knowledge and skills in English studies for solving cognitive and practical problems and to seek the advice of a scientific advisor or a supervisor at the chosen workplace in case of difficulties in solving problems independently.	[SK1] oral statement/conversation/discussion [SK4] test/exam - oral or written [SK8] observation of student's independent or team work
	[FAMU2_W12] Knows and understands the main development trends in literature, in particular with regard to research into English-language literature.	The student understands selected topics from related disciplines to English philology, as well as the culture studies of English-speaking countries, which are essential as context for research in the field of English linguistics or in the professional practice of an English philologist.	[SW4] test/exam - oral or written [SW1] oral statement/conversation/discussion
	[FAMU2_U04] Can select and apply information and communication techniques (ICT) during the acquisition and processing of information for research and professional purposes within the framework of English Studies.	The student is able to select and apply information and communication technologies (ICT) in the acquisition and processing of information for research and professional purposes within the field of English philology.	[SU1] oral statement/conversation/discussion [SU2] presentation/project/paper/report [SU8] observation of student's independent or team work
	[FAMU2_U10] Can independently plan and implement their own lifelong learning and guide others in this area within the framework of English philology and their chosen field of professional activity.	The student is able to independently plan and pursue lifelong learning and guide others in this regard within the field of English philology and their chosen professional domain.	[SU1] oral statement/conversation/discussion [SU4] test/exam - oral or written [SU8] observation of student's independent or team work
	[FAMU2_U02] Can apply knowledge in the field of linguistics and literature in solving practical problems in the field of the chosen specialty.	The student is able to use linguistic knowledge to solve practical problems within their specialization.	[SU1] oral statement/conversation/discussion [SU4] test/exam - oral or written [SU8] observation of student's independent or team work
	[FAMU2_U09] Can lead a team, interact with others and take a leading role in teams.	The student is able to lead a team, collaborate with others, and take on a leading role in teams.	[SU1] oral statement/conversation/discussion [SU8] observation of student's independent or team work
	[FAMU2_U05] Can use and present orally and in writing knowledge in the field of auxiliary and related sciences, which is a context for English linguistic and literary studies and supports the professional work of an English philologist.	The student is able to utilize and present knowledge from related disciplines that provide context for linguistic research in English studies and support the professional activities of an English philologist.	[SU1] oral statement/conversation/discussion [SU2] presentation/project/paper/report [SU4] test/exam - oral or written [SU8] observation of student's independent or team work
	[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 prepared for a critical assessment of the scope of their knowledge and skills, particularly in the field of English linguistics.	[SK1] oral statement/conversation/discussion [SK4] test/exam - oral or written [SK8] observation of student's independent or team work
Subject contents	Introducing students to text corpora: monolingual and comparative; written, spoken, and audiovisual texts; and the introduction of dictionaries used in natural language processing: WordNet, FrameNet, VerbNet, and the Polish valency dictionary Walenty. Familiarizing students with tools for morphological analysis: morphological analyzers, inflectional dictionaries, and lemmatization. Presenting parsers and treebanks. Additionally, topics such as automatic detection of coreferential expressions and speech analysis and synthesis will be introduced. Practical information retrieval from corpora and comparing corpora with ontology will also be covered.		
Prerequisites and co-requisites	English level C1		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
		50.0%	100.0%

Recommended reading	Basic literature	<p>Biber D., Conrad S., Reppen R., 1998, Corpus Linguistics: Investigating Language Structure and Use, Cambridge.</p> <p>Hockey S., 2000, Electronic Texts in the Humanities, Oxford University Press, Oxford, UK.</p> <p>McEnery T., 2015, Corpus Linguistics, Cambridge Univ. Press.</p> <p>Crawford W., 2015, Doing Corpus Linguistics, Routledge.</p> <p>Piasecki Maciej. 2010. Automatyczne wydobywanie wiedzy o semantyce języka naturalnego z korpusów tekstu. W: Piotr Stalmaszczyk (red.), Metodologie językoznawstwa. Filozoficzne i empiryczne problemy w analizie języka. Łódź.</p>
	Supplementary literature	<p>Hajnicz E. 2011: Automatyczne tworzenie semantycznych słowników walencyjnych, Akademicka Oficyna Wydawnicza EXIT, Warszawa.</p> <p>Kondrak G., 2002, Algorithms for Language Reconstructions http://webdocs.cs.ualberta.ca/~kondrak/papers/thesis.pdf</p> <p>Pęzik P. 2012: Wyszukiwarka PELCRA dla danych NKJP, [w:] Przepiórkowski A., Bańko M., Górski R.L., Lewandowska-Tomaszczyk B. (red.) 2012: Narodowy Korpus Języka Polskiego, Wydawnictwo Naukowe PWN, Warszawa (online: http://nkjp.pl/index.php?page=3&lang=0, dostęp: 6 maja 2014).</p> <p>Pęzik P. 2013: Paradygmat dystrybucyjny w badaniach frazeologicznych. Powtarzalność, reprodukcja i idiomatyzacja, [w:] P. Stalmaszczyk (red.): Metodologie językoznawstwa. Ewolucja języka. Ewolucja teorii językoznawczych, Wydawnictwo Uniwersytetu Łódzkiego, Łódź, s. 143160.</p>
	eResources addresses	Adresy na platformie eNauczanie:
Example issues/ example questions/ tasks being completed		
Work placement	Not applicable	

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