

Subject card

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| Subject name and code | Computer processing of documents- lecture, PG_00150266 | | | | | | |
| Field of study | English Studies | | | | | | |
| Date of commencement of studies | October 2024 | Academic year of realisation of subject | | | 2025/2026 | | |
| 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 | 2 | Language of instruction | | | Polish | | |
| Semester of study | 3 | ECTS credits | | | 1.0 | | |
| Learning profile | academic | Assessment form | | | | | |
| Conducting unit | Institute of English and American Studies -> Faculty of Languages -> Rector | | | | | | |
| Name and surname of lecturer (lecturers) | Subject supervisor | | dr Magdalena Wawrzyniak-Śliwska | | | | |
| | 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 | | 0.0 | | 9.0 | 24 |
| Subject objectives | Celem przedmiotu jest przekazanie studentom podstawowej wiedzy w zakresie zastosowania metod informatycznych do przetwarzania dokumentów: reprezentacja dokumentu, metody porównywania dokumentów, wyszukiwania dokumentów pasujących do zapytania, klasyfikacja dokumentów, korzystanie z cyfrowych zasobów językowych. | | | | | | |

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| Learning outcomes | Course outcome | Subject outcome | Method of verification |
| | [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. | Is able to select and apply information and communication technology (ICT) when acquiring and processing information needed in the professional activities of an English language processing specialist. | [SU2] presentation/project/paper/report |
| | [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. | Can independently plan and implement their own lifelong learning in the field of professional activities of an English language processing specialist. | [SU2] presentation/project/paper/report |
| | [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. | Is willing to recognise the importance of knowledge and skills in computer-based document processing used in natural language processing in solving cognitive and practical problems and to consult others when having difficulty solving problems independently. | [SK2] presentation/project/paper/report |
| | [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. | Is prepared to critically evaluate the extent of his/her knowledge and skills in the field of computer document processing used in natural language processing. | [SK2] presentation/project/paper/report |
| [FAMU2_W12] Knows and understands the main development trends in literature, in particular with regard to research into English-language literature. | Knows and understands selected issues in the field of information sciences, necessary as a context for the professional activities of an English natural language processing specialist. | [SW2] presentation/project/paper/report | |
| Subject contents | Information encoding methods and computer alphabets.Reiteration of basic Python language constructs.Elements of HTML, XML. The json format.Conversion and extraction of text from files of different formats (pdf, html, xls, OCR, machine translation).Text processing in Python (string object).Processing text files including from the command line (e.g. on linux).Regular expressions (regex).Elements of the NLTK library.Digital language resources (WordNet). | | |
| Prerequisites and co-requisites | The choice of the PJN specialisation.Credit for the course Tools of Modern Computer Science. | | |
| Assessment methods and criteria | Subject passing criteria | Passing threshold | Percentage of the final grade |
| | completion of the tasks during lectures | 51.0% | 50.0% |
| | completion of the team project | 51.0% | 50.0% |
| Recommended reading | Basic literature | Bing Liu - Web data mining, Springer 2007 S. Bird, E. Klein, E. Loper - Natural language processing with Python, O'Reilly 2009 A. Mykowiecka -Inzynieria lingwistyczna. Komputerowe przetwarzanie tekstów w języku naturalnym, Wyd. PJWSTK 2007 | |
| | Supplementary literature | D. Jurafsky, J. H. Martin - Speech and Language Processing: An Introduction to Natural Language Processing, Speech Recognition and Computational Linguistics. 2nd edition. Prentice-Hall. 2009. | |
| | eResources addresses | Adresy na platformie eNauczanie: | |
| Example issues/ example questions/ tasks being completed | | | |
| Work placement | Not applicable | | |

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