

Seminarium dyplomowe
Filologia Angielska (II stopień, semestr 1)
Przetwarzanie języka naturalnego – I MA-PJN
rok akademicki 2020/2021

1. dr hab. Tomasz Ciszewski, prof. UG

NATURAL LANGUAGE PROCESSING
ACOUSTIC ANALYSIS OF SPEECH

The leading theme of the seminar will be acoustic phonetics. In particular, it includes an introduction to the Source-and-Filter theory, vowel and consonant acoustics, a comparison of Polish and English allophonic systems, an intensive practice of broad and narrow transcription of speech. Students are expected to develop their skills in acoustic measurements using open-source computer software (e.g. PRAAT, Audacity). The methodological component includes postulating and verifying hypotheses concerning phonological processes using acoustic data. The seminar is intended for all Students interested in speech acoustics who have rudimentary knowledge of articulatory phonetics, phonology and IPA transcription system. This includes spectrographic analysis, e.g. formant analysis, pitch and intensity analysis, spectrogram segmentation principles and sound identification.

The research topics will include:

- acoustic analyses of duration
- co-articulation
- allophonic variation
- accent/speaker identification
- text-to-speech tools
- acoustic analysis of Polish-accented English

2. dr hab. Danuta Stanulewicz, prof.UG

Zakres tematyki

Językoznawstwo korpusowe

1. Korzystanie z różnych korpusów językowych.
1. Badania ilościowe i jakościowe.

Program zajęć

1. Przygotowanie pracy magisterskiej: Aspekty merytoryczne i techniczno-formalne
 - a. wybór tematu pracy
 - a. literatura – poszukiwanie, sporządzanie notatek, krytyczne opracowanie
 - b. układ pracy: porządek rozdziałów
 - c. sporządzanie przypisów i odnośników, cytaty
 - d. przygotowanie bibliografii
 - e. język pracy
 - f. omawianie kolejnych części powstających prac
1. Metody pracy badawczej
 - a. pozyskiwanie danych korpusowych
 - b. analiza danych korpusowych
 - c. analiza tekstów
 - d. analiza zawartości słowników
2. Wybrane tematy
 - a. referaty z wybranych przez studentów zagadnień
 - a. przeprowadzenie badań korpusowych itp.

MA SEMINAR: A PROPOSAL

Scope

Corpus Linguistics (employing different corpora in linguistic research, quantitative and qualitative studies).

Programme

1. Writing the MA thesis (selecting the topic, bibliography, the structure of the thesis, footnotes, quotations, language etc.).
1. Research methods (corpus analysis, text analysis etc.).
2. Selected topics: Presentations etc.

3. dr Joanna Redzimska

MA Linguistics Seminar Description 2020/2021

The aim of the course is to introduce students into the issue of preparing and writing their MA work. All issues and tasks to be discussed aim at developing students' skills to correctly recognize, formulate and analyze particular problems. Such skills as collecting and selecting materials, conducting research and drawing conclusions as well as incorporating source materials and the results of this research into their MA work are at stake. Besides, the course will also cover formal requirements to be fulfilled in this kind of work, and students will be encouraged to:

1. choose/ formulate a topic
2. decide on bibliography
3. familiarize with formal aspects of a MA work, especially writing methods (including language correctness/ style necessary for this kind of work), a formal organization of the work (chapters, subchapters, a list of contents, notes, bibliography)

Linguistics will be the major content of the course, with special focus on corpus linguistics, resources and tools used in natural language processing . However, students are welcome to present their own suggestions for the content scope of their work.

In order to pass the course students are obliged to participate in classes on regular basis, do obligatory reading as well as fulfill requirements concerning deadlines for particular pieces of work and finally at the end of the second year present **their own** MA thesis.

Obligatory reading (to be presented at the beginning of the course).

