Course syllabus for

Documentation, Processing and Analysis of Linguistic Data, 7.5 credits

Dokumentation, bearbetning och analys av språkliga data, 7.5 hp
This course syllabus is valid from autumn 2020.
Please note that the course syllabus is available in the following versions:
<u>Autumn2016</u> , Autumn2020

Course code	2QA261
Course name	Documentation, Processing and Analysis of Linguistic Data
Credits	7.5 credits
Form of Education	Higher Education, study regulation 2007
Main field of study	Speech and Language Pathology
Level	Second cycle, has only first-cycle course/s as entry requirements
Grading scale	Pass, Fail
Department	Department of Clinical Science, Intervention and Technology
Decided by	Styrelsen för utbildning
Decision date	2016-02-11
Revised by	Education committee CLINTEC
Last revision	2020-02-12
Course syllabus valid from	Autumn 2020

Specific entry requirements

Degree of Master of Science in Speech and Language Pathology or a Degree of Bachelor within health care or a professional degree within health care of at least 180 credits. Or a Degree of Bachelor of including a basic course in linguistics or the equivalent of at least 30 credits. In addition, proficiency in Swedish and English equivalent to Swedish B/Swedish 3 and English A/English 6.

Objectives

The course intends to provide knowledge of and proficiencies in suitable efficient and quality-assured handling and analysis of linguistic data, such as sounds-/video recordings and transcriptions.

On completion of the course, the student is expected to be able to

- account for and compare different methods for documentation of linguistic data
- reflect on what possibilities and limitations different documentation methods imply for continued analysis of speech, voice and language

- independently use software for annotation of linguistic data
- independently use automatic methods to extract annotated parts from sound- or video recordings for further analysis
- describe and argue for a suitable procedure for documenting, processing and analysing linguistic data to answer a given research issue or clinical issue

Content

The course covers:

- A theoretical overview of computer-based methods for documentation (video/sound recording and annotation), processing (sorting and filtering) and analysis (e.g. graphical representation) of linguistic data with a focus on the possibilities and limitations that choice of method implies.
- Practical application of tools for documenting, processing and analysing linguistic data, such as annotation of sound and video (in e.g. Praat and ELAN) and methods for processing of annotated data (by means of simple programming scripts).
- Integration of theoretical knowledge and practical skills through the application the individually chosen project work.

Teaching methods

Lectures, seminars, laboratory sessions, supervision in groups and an individual project work.

Compulsory attendance at all scheduled teaching apart from lectures if nothing else is stated on the timetable. In case of absence from compulsory parts student is responsible for contacting the course coordinator for supplementary assignment. The course coordinator assesses how absence from compulsory teaching sessions can be made up for.

Examination

The course is examined through oral and written presentation of the individual project work, and oral and written review of another student's project work.

Transitional provisions

Examination will be provided during two years after a possible close-down of the course. Examination can be carried out according to an earlier literature list during a period of one year after the date of a renewal of the literature list.

Other directives

The course evaluation will be carried out according to the guidelines that are established by the Board of education and comes mainly be web-based. Language of instruction is Swedish.

Literature and other teaching aids

Mandatory literature