

Opasraportti

Phonetics (2014 - 2015)

Phonetics

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Admission requirements

All students enrolled at the University of Oulu and registered as present are qualified to study Phonetics. Entering studies in Phonetics requires formal application. The application form is available from the Phonetics staff. To begin the Basic Level studies, students must first successfully complete the course Introduction to Phonetics (694500P). It is recommended that students begin the studies during the autumn term, although it is also possible to begin during the spring term.

Study guidance

Guidance on how to study Phonetics is given by lecturer Pentti Körkkö during his office hours and, by appointment, also at other times. Office hours: Thursdays from 12 noon to 1 p.m., telephone +358 29 448 3375. E-mail: pentti.korkko (at) oulu.fi.

Phonetics

Phonetics is the study of the sounds of human speech. It is concerned with the physical properties of speech sounds, their physiological production and auditory perception and also neurophysiological status. Phonetics is generally considered a special branch of linguistics dealing with the physical phenomena of speech communication.

The University of Oulu offers Basic, Intermediate and Advanced Level courses in Phonetics, but Phonetics can only be studied as a minor subject.

Phonetics investigates the transmission of linguistic messages and other kinds of information (including information that signals the speaker's emotional state) through air, from the speaker to the listener, the relationship between speech and language, the form and working of the sound systems of different languages, speech production, the acoustic properties of speech, and speech perception. In principle, Phonetics approaches its object of study from three perspectives, as speaking is at the same time an individual, a language-specific and also a universal activity. In other words, the speech signal always contains speaker-specific properties, language-specific features and also properties that are common to all languages of the world.

Phonetics yields useful theoretical and practical information for everyone working with spoken language, including students of languages and logopedics. Areas of application of phonetic knowledge include teaching of pronunciation in foreign language didactics, disorders of speech and language that are manifested in the speaking voice, clinical

speech therapy in logopedics, and in technical subjects, signal processing and speech technology. Phonetic researchs also converges with several other fields such as linguistics, psychology, cognitive sciences, language technology (automatic speech recognition, synthetic speech), anatomy, physiology and forensics (speaker recognition).

Students of many major subjects have chosen a phonetic topic for their theses. The basic studies of Phonetics at the University of Oulu consist of courses that are common to all, the intermediate studies consist partly of study courses common to all and partly of studies chosen according to the student's own area of interest. The advanced studies consist of only studies chosen according to the student's own area of interest.

Employment prospects

The work careers of students with Phonetics as a minor subject are fairly variable. Studies in Phonetics are no doubt profitable to students of languages leaning towards a more research oriented work or career and also to students of logopedics and communication disorders, who have a high rate of employment after graduation. Studies in Phonetics also enhance the formal and practical proficiency of students or graduates planning a career in areas as varied as linguistic research, language teaching, human information technology and speech signal processing.

Practical instructions

Taught courses can vary from one academic year to the next. Details of taught courses are available on WebOodi. Eventual changes in timetables, course details etc. are also announced on the Phonetics notice board and web pages (Notice board / Ilmoitustaulu).

At the end of each lecture course, a final examination is arranged which requires no preregistration. Registrations for examinations consisting of literature and other written study materials are to be negotiated in advance with the responsible teacher of each course. The registrations for literature-based examinations are made online using WebOodi.

The recommended schedule for the Basic Studies is as follows: Introduction to Phonetics, followed by Introduction to Phonology, and, after all other compulsory courses, Speech Processing in Computer Environment, and finally the Experimental Phonetic Research course.

The recommended schedule is therefore ("#" indicates that the course on the right cannot be completed before the course on the left; and "/" indicates that the order in which the courses are studied is not restricted):

Introduction to Phonetics # Introduction to Phonology # Phonology of Finnish / Introduction to Phonetics in Language Teaching / Prosody of Speech / Acoustics of Speech # Speech Processing in Computer Environment # Experimental Phonetics Research course. Intermediate Studies can be started before the completion of Basic Studies.

Learning outcome and study packages

Upon completion of the Basic Level studies, the student acquires an understanding of the significance and nature of speech and of Phonetics as a special field of linguistics focusing on speech and its phenomena. A more practical learning outcome is that the student acquires knowledge and skills necessary in planning and conducting phonetic research: he/ she is able to gather scientifically valid speech samples and is able to choose the proper analyses and measurements in order to achieve the goals and objectives of a particular research theme or project. The Intermediate and Advanced Level studies aim to advance and broaden the knowledge and skills acquired during the Basic Studies, and allow students to specialize in their topics of interest.

The Phonetics study programme is also co-ordinated with General Linguistics; therefore, students have the option of combining Phonetics and General Linguistics studies and may compile common study packages either in Phonetics or General Linguistics (Basic Studies or Intermediate Studies).

Courses

BASIC STUDIES (25 ECTS credits)

694500P Introduction to Phonetics (3 ECTS credits)

694501P Introduction to Phonology (4 ECTS credits)

694502P Phonology of Finnish (2 ECTS credits)

694503P Introduction to Phonetics in Language Teaching (3 ECTS credits)

694504P Speech prosody (3 ECTS credits)

694505P Acoustics of Speech Production (4 ECTS credits)

694506P Speech Processing in Computer Environment (2 ECTS credits)

694507P A Course in Experimental Phonetics (4 ECTS credits)

INTERMEDIATE STUDIES (35 ECTS credits)

694508A Areas of Phonetics (10 ECTS credits)

694509A Special studies according to students' interests (25 ECTS credits)

ADVANCED STUDIES (60 ECTS credits)

694510S Advanced studies according to students' interests (60 ECTS credits)

Tutkintorakenteisiin kuulumattomat opintokokonaisuudet ja -jaksot

694505P: Acoustics of speech production, 4 op

694510S: Advanced studies in phonetic research, 60 op

694507P: Course in experimental phonetic, 4 op

694502P: Finnish phonology, 2 op

694500P: Introduction to Phonetics, 3 op

694503P: Introduction to phonetics in language teaching, 3 op

694501P: Introduction to phonology, 4 op

694508A: Research areas in phonetics, 10 op

694509A: Special studies in phonetics, 25 op

694506P: Speech processing in computer environment, 2 op

694504P: Speech prosody, 3 op

Opintojaksojen kuvaukset

Tutkintorakenteisiin kuulumattomien opintokokonaisuuksien ja -jaksojen kuvaukset

694505P: Acoustics of speech production, 4 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Basic Studies

Laji: Course

Vastuuyksikkö: Faculty of Humanities

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Assessment methods and criteria:

Read more about [assessment criteria](#) at the University of Oulu webpage.

694510S: Advanced studies in phonetic research, 60 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Advanced Studies

Laji: Course

Vastuuyksikkö: Faculty of Humanities

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Assessment methods and criteria:

Read more about [assessment criteria](#) at the University of Oulu webpage.

694507P: Course in experimental phonetic, 4 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Basic Studies

Laji: Course

Vastuuyksikkö: Faculty of Humanities

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Assessment methods and criteria:

Read more about [assessment criteria](#) at the University of Oulu webpage.

694502P: Finnish phonology, 2 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Basic Studies

Laji: Course

Vastuuyksikkö: Faculty of Humanities

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Assessment methods and criteria:

Read more about [assessment criteria](#) at the University of Oulu webpage.

694500P: Introduction to Phonetics, 3 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Basic Studies

Laji: Course

Vastuuyksikkö: Faculty of Humanities

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Assessment methods and criteria:

Read more about [assessment criteria](#) at the University of Oulu webpage.

694503P: Introduction to phonetics in language teaching, 3 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Basic Studies

Laji: Course

Vastuuyksikkö: Faculty of Humanities

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Assessment methods and criteria:

Read more about [assessment criteria](#) at the University of Oulu webpage.

694501P: Introduction to phonology, 4 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Basic Studies

Laji: Course

Vastuuyksikkö: Faculty of Humanities

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Assessment methods and criteria:

Read more about [assessment criteria](#) at the University of Oulu webpage.

694508A: Research areas in phonetics, 10 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Intermediate Studies

Laji: Course

Vastuuyksikkö: Faculty of Humanities

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Assessment methods and criteria:

Read more about [assessment criteria](#) at the University of Oulu webpage.

694509A: Special studies in phonetics, 25 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Intermediate Studies

Laji: Course

Vastuuyksikkö: Faculty of Humanities

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Assessment methods and criteria:

Read more about [assessment criteria](#) at the University of Oulu webpage.

694506P: Speech processing in computer environment, 2 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Basic Studies

Laji: Course

Vastuuyksikkö: Faculty of Humanities

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Assessment methods and criteria:

Read more about [assessment criteria](#) at the University of Oulu webpage.

694504P: Speech prosody, 3 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Basic Studies

Laji: Course

Vastuuyksikkö: Faculty of Humanities

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Assessment methods and criteria:

Read more about [assessment criteria](#) at the University of Oulu webpage.