

Opasraportti

HuTK - Phonetics (2011 - 2012)

Phonetics

Address: Phonetics, PL 1000, 90014 University of Oulu, Finland
Telephone: +358-8-553 3385 (Office of Logopedics and Phonetics)
Fax: +358-8-553 3383
E-mail: Professor Kari Suomi, e-mail address in the form: firstname.lastname@oulu.fi.
Website: <http://www.oulu.fi/hutk/fonetiikka/>

Admission requirements

Phonetics can be studied by any student presently registered and enrolled at the University. It is recommended that students begin the studies during the autumn term, although it is also possible to begin during the spring term. To begin the Basic Level studies, students must first successfully complete the Introduction to Phonetics course; the course is taken during the first autumn term and is compulsory for all language students, although it is included in the Phonetics Basic Level study package. It is also recommended that students complete the Introduction to Phonology course before initiating their Basic Level studies.

Study guidance

Study guidance is provided by Professor Kari Suomi and Lecturer Pentti Körkkö during their respective office hours or via appointment. Professor: Wednesdays 11–12, phone: +358-8-553 3395. Lecturer: Thursdays 12-13, phone: +358-8-553 3375. E-mails are in the form: firstname.lastname@oulu.fi.

Phonetics

The University of Oulu offers Basic, Intermediate and Advanced Level courses in Phonetics, but the subject may only be taken as a subsidiary subject. Phonetics studies linguistic communication as well as other modes of information transfer (e.g. signals of the *speaker's* emotional state) from speaker to listener via air, the relationship between speech and language, the structures and functions of the phonetic systems of different languages, speech production, the acoustic properties of speech, and perception of speech. Phonetics research approaches the subject essentially from three different perspectives because speech is at the same time 1) unique to the individual, 2) the speech community, and 3) a universal function of all humans; i.e. a speech signal always contains attributes unique to the speaker, the distinct characteristics and features of a certain language, which are, in turn, universal to all of the world's languages. Phonetics offers useful theoretical and applied information for those who work with spoken language, e.g. language and logopedics students. Applications of phonetic knowledge include, e.g. pronunciation

instruction and the didactics of language teaching; in the field of logopedics, linguistic and speech disorders as well as clinical speech therapy are all related to spoken communication; and phonetics is beneficial in technical studies such as signal processing.

Phonetics also converges with several other sciences which study speech and linguistic behaviour, e.g. linguistics, languages, logopedics, psychology, cognitive science, language technology (automatic speech recognition, synthetic speech), anatomy, physiology and forensics (speaker recognition). Students of many different study fields have chosen a topic related to phonetics for their thesis. The Basic Level study package consists of courses compulsory for all students in the Phonetics programme; the Intermediate Studies consist of compulsory courses as well as elective courses, which may be separately chosen according to students' personal interests; the Advanced Studies package consists entirely of elective courses, which, again, may be chosen based on students' personal or academic interests.

Employment prospects

The career options for students who take Phonetics as a subsidiary subject are quite varied. A background in phonetics is very useful for language and logopedics students aiming to become researchers or teachers, as their job placement prospects tend to be quite favourable.

Practical information

The courses offered may vary from term to term. An information session detailing the curriculum on offer is held at the beginning of each term – students who plan on studying in the Phonetics programme are encouraged to attend. Notifications about information sessions are posted on the Phonetics bulletin board and online. Exams are held at the end of each lecture course and require no separate sign-up. Sign-up for book examinations should be discussed separately with the teacher responsible for the course.

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 the order in which the courses are studied is freely chosen):

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.

Study packages and learning outcomes

Upon completion of the Basic Level study package, students are able to describe, explain and analyse speech phenomena and speech as a form of linguistic communication; students are able to choose and implement phonetic linguistic research methods; and can evaluate phonetics as a systematic science that studies speech. The Intermediate and Advanced Level studies aim to advance and broaden the knowledge acquired during the Basic Studies, and to allow students to specialize in topics of interest.

In addition, the Phonetics programme co-ordinates with General Linguistics; therefore, students have the option of combining Phonetics and General Linguistics studies and may compile a common study package 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 Prosody of Speech (3 ECTS credits)
- 694505P Acoustics of Speech (4 ECTS credits)
- 694506P Speech Processing in Computer Environment (2 ECTS credits)
- 694507P Experimental Phonetics Research Course (4 ECTS credits)

INTERMEDIATE STUDIES (35 ECTS credits)

- 694508A Sub-Fields of Phonetics (10 ECTS credits)
- 694509A Separately selected courses according to students' interests (25 ECTS credits)

ADVANCED STUDIES (60 ECTS credits)

- 694510S Separately selected courses 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

Opintojaksosten 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

ECTS Credits:

4

Language of instruction:

Finnish

Timing:

Spring term

Learning outcomes:

Upon completion of the course, students have a general comprehension of the effects a language's phonetic structure and speaker-subjective matters have on the acoustic qualities of speech. Students are able to use acoustic research methods.

Contents:

Acoustic qualities of speech

Mode of delivery:

Contact teaching and self study

Learning activities and teaching methods:

Lecture course and independent literature study, short written assignment

Target group:

Language students

Prerequisites and co-requisites:

Successful completion of Introduction to Phonetics and Introduction to Phonology required

Recommended optional programme components:

-

Recommended or required reading:

Suomi, Johdatusta puheen akustiikkaan

Assessment methods and criteria:

Lectures, book exam and written assignment

Grading:

0-5

Person responsible:

Lecturer of Phonetics

Working life cooperation:

No

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

ECTS Credits:

60

Language of instruction:

Finnish

Timing:

Autumn and spring term

Learning outcomes:

Upon completion of the course, students have gained advanced-level knowledge of some of the sub-fields of phonetics according to their own academic interests. Students are able to design and execute an empirical study, and interpret their findings.

Contents:

These studies consist of empirical research and related literature review

Mode of delivery:

Contact teaching and self study

Learning activities and teaching methods:

Supervised research and written research report

Target group:

Language students

Prerequisites and co-requisites:

Successful completion of Intermediate Level study package

Recommended optional programme components:

-

Recommended or required reading:

Separately agreed upon with the teacher responsible

Assessment methods and criteria:

Research and research report

Grading:

0-5

Person responsible:

Lecturer of Phonetics

Working life cooperation:

No

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

ECTS Credits:

4

Language of instruction:

Finnish

Timing:

Spring and autumn term

Learning outcomes:

Students study the design, execution and reporting of empirical phonetic research. Upon completion of the course, students are able to independently carry out evaluative research based on speech measurements; collect relevant data via field/studio recordings; carry out audio analysis and measurements according to research hypotheses; and can adhere to principles and tenets when reporting multimodal (text and graphic) research.

Contents:

Completing the different stages of experimental phonetics research

Mode of delivery:

Contact teaching

Learning activities and teaching methods:

Supervised, short experimental phonetic research and written final report on separately agreed upon topic.

Target group:

Language students

Prerequisites and co-requisites:

Successful completion of Acoustics of Speech and Speech Processing in Computer Environment required

Recommended optional programme components:

-

Recommended or required reading:

Separately agreed upon

Assessment methods and criteria:

Written research report

Grading:

0-5

Person responsible:

Lecturer of Phonetics

Working life cooperation:

No

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**ECTS Credits:**

2

Language of instruction:

Finnish

Timing:

Autumn or spring term

Learning outcomes:

Upon completion of the course, students have a systematic comprehension of and are able to analyse the segmental, prosodic and phonotactical structures of Finnish.

Contents:

Phonetic structures of Finnish

Mode of delivery:

Self study

Learning activities and teaching methods:

Literature analysis

Target group:

Language students

Prerequisites and co-requisites:

Successful completion of Introduction to Phonetics and Introduction to Phonology required

Recommended optional programme components:

-

Recommended or required reading:

Suomi, Toivanen & Ylitalo, Fonetikan ja suomen äänneopin perusteet (Osa II Johdatus suomen kielen äänneoppiin)

Assessment methods and criteria:

Book exam

Grading:

0-5

Person responsible:

Lecturer of Phonetics

Working life cooperation:

No

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

ECTS Credits:

3

Language of instruction:

Finnish

Timing:

1st autumn term

Learning outcomes:

Upon completion of the course, students know and understand the significance of speech in linguistic communication, as well as the key phonetic terms describing the phonetic qualities of Finnish as well as other languages.

Contents:

Speech production and perception, the phonetic categorizing and description of vocal phenomena

Mode of delivery:

Contact teaching

Learning activities and teaching methods:

Lecture course

Target group:

Language students

Prerequisites and co-requisites:

None

Recommended optional programme components:

-

Recommended or required reading:

Separately agreed upon

Assessment methods and criteria:

Lectures and formal lecture exam

Grading:

0-5

Person responsible:

Lecturer of Phonetics

Working life cooperation:

No

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

ECTS Credits:

3

Language of instruction:

Finnish

Timing:

Autumn or spring term

Learning outcomes:

Upon completion of the course, students are familiar with theories related to the pronunciation of foreign languages, the basics of phonetic comparison of languages; can understand the reasons for pronunciation errors and are familiar with the principles of error analysis. Students are able to evaluate the theories of teaching foreign language pronunciation and can explain the basics of phonetic comparison of languages; students can categorize pronunciation mistakes and use error analysis to evaluate pronunciation.

Contents:

Theory and practices of phonetic language instruction

Mode of delivery:

Self study

Learning activities and teaching methods:

Studying the literature and research of the field

Target group:

Language students

Prerequisites and co-requisites:

Successful completion of Introduction to Phonetics and Introduction to Phonology required

Recommended optional programme components:

-

Recommended or required reading:

Separately agreed upon

Assessment methods and criteria:

Book exam

Grading:

0-5

Person responsible:

Lecturer of Phonetics

Working life cooperation:

No

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**ECTS Credits:**

4

Language of instruction:

Finnish

Timing:

Autumn or spring term

Learning outcomes:

Upon completion of the course, students know and understand the basics of systematic description of the phonetic phenomena of languages as well as the key concepts of phonology, phonotactics and morphophonology. Students are able to analyse phonological, phonotactical and morphophonological phenomena.

Contents:

Basic concepts of phonetics, phonology, phonotactics and morphophonology

Mode of delivery:

Self study

Learning activities and teaching methods:

Literature analysis

Target group:

Language students

Prerequisites and co-requisites:

Successful completion of Introduction to Phonetics required

Recommended optional programme components:

-

Recommended or required reading:

Suomi, Toivanen & Ylitalo, Fonetikan ja suomen äänneopin perusteet (Osa I Johdatus yleiseen fonetiikkaan) ja Suomi, Fonologian perusteita

Assessment methods and criteria:

Book exam

Grading:

0-5

Person responsible:

Lecturer of Phonetics

Working life cooperation:

No

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**ECTS Credits:**

10

Language of instruction:

Finnish

Timing:

Spring or autumn term

Learning outcomes:

Students further their elementary knowledge of the various fields of phonetics. Upon completion of the course, students are able to categorize phenomena of speech production, voice and speech detection.

Contents:

Studying the central fields within phonetics via literature

Mode of delivery:

Self study

Learning activities and teaching methods:

Independent literature study

Target group:

Language students

Prerequisites and co-requisites:

Successful completion of the Basic Level study package required

Recommended optional programme components:

-

Recommended or required reading:

Separately agreed upon extracts from, e.g. the following:

Hardcastle & Laver (eds.), *The Handbook of Phonetic Sciences*; Ladefoged & Maddieson, *The Sounds of the World's Languages*;

Laver, *Principles of Phonetics*;

Ryalls, *A Basic Introduction to Speech Perception*;

A. Iivonen (ed.), *Puheen salaisuudet*

Assessment methods and criteria:

Book exam

Grading:

0-5

Person responsible:

Lecturer of Phonetics

Working life cooperation:

No

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

ECTS Credits:

25

Language of instruction:

Finnish

Timing:

Autumn and spring term

Learning outcomes:

Students study some sub-fields of phonetics according to their own academic interests. Upon completion of the course, students are able to analyse the phenomena of some key field(s) of phonetics.

Contents:

These studies can consist merely of literature review or they can also include an empirical study

Mode of delivery:

Self study

Learning activities and teaching methods:

Independent literature study, possibly an empiric research

Target group:

Language students

Prerequisites and co-requisites:

Successful completion of the Basic Level study package required

Recommended optional programme components:

-

Recommended or required reading:

Separately agreed upon

Assessment methods and criteria:

Book exam, or optionally a research report

Grading:

0-5

Person responsible:

Lecturer of Phonetics

Working life cooperation:

No

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

ECTS Credits:

2

Language of instruction:

Finnish

Timing:

Free

Learning outcomes:

Upon completion of the course, students are familiar with the collection and processing of audio material for phonetic research in computer environment. Students are able to independently collect speech audio-data via field /studio recording, and can edit and modify collected data according to research purposes.

Contents:

Demonstrations and compulsory exercises; a guided, short data collection and audio file editing exercise.

Mode of delivery:

Contact teaching and self study

Learning activities and teaching methods:

Demonstration course and independent study

Target group:

Language and Logopedics students

Prerequisites and co-requisites:

Successful completion of Introduction to Phonetics and Acoustics of Speech required

Recommended optional programme components:

-

Recommended or required reading:

Separately agreed upon

Assessment methods and criteria:

Attending exercises and demonstrations, written assignment

Grading:

0-5

Person responsible:

Lecturer of Phonetics

Working life cooperation:

No

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

ECTS Credits:

3

Language of instruction:

Finnish

Timing:

Autumn or spring term

Learning outcomes:

Upon completion of the course, students are familiar with the key lexical and non-lexical qualities of speech (e.g. quantity, tone, intonation, sentence and word stress), their phonetic realizations and linguistic functions etc. Students are able to categorize the realizations and functions of prosodic phenomena.

Contents:

Prosodics of speech

Mode of delivery:

Self study

Learning activities and teaching methods:

Literature analysis

Target group:

Language students

Prerequisites and co-requisites:

Successful completion of Introduction to Phonetics and Introduction to Phonology required

Recommended optional programme components:

-

Recommended or required reading:

Separately agreed upon

Assessment methods and criteria:

Book exam

Grading:

0-5

Person responsible:

Lecturer of Phonetics

Working life cooperation:

No