



Faculties of Humanities and Theology

## LINC01, Linguistics: Voice and Speech, 7.5 credits

*Lingvistik: Rösten och talet, 7,5 högskolepoäng*

First Cycle / Grundnivå

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### Details of approval

The syllabus is an old version, approved by the programmes director by delegation from the pro-dean for first- and second-cycle studies on 2007-03-30 and was valid from 2007-03-30, autumn semester 2007.

### General Information

The course is offered as a single course. It can normally be included as part of a general degree at the undergraduate or graduate levels. With the approval of the relevant authenticating body, it can also be included in certain professional degrees.

*Language of instruction:* Swedish

| <i>Main field of studies</i>                        | <i>Depth of study relative to the degree requirements</i>                                |
|---|--|
| Linguistics - specialization in Phonetics           | G1F, First cycle, has less than 60 credits in first-cycle course/s as entry requirements |
| Linguistics - specialization in General Linguistics | G1F, First cycle, has less than 60 credits in first-cycle course/s as entry requirements |
| Linguistics - specialization in Phonetics           | G1F, First cycle, has less than 60 credits in first-cycle course/s as entry requirements |
| Linguistics - specialization in General Linguistics | G1F, First cycle, has less than 60 credits in first-cycle course/s as entry requirements |

### Learning outcomes

On completion of the course the student shall

#### Knowledge and understanding

- be able to describe the basic connections between acoustic and perceptual variables

- be able to give an account of the acoustic patterns of categories of vowels and consonants and theories concerning the connection between these patterns, and production and perception
- be able to present basic facts relevant to the study of phonetics on the role of the nervous system and the ear in oral communication
- be able to explain the essential features of psychoacoustics and speech perception theory.

### **Competence and skills**

- be able to give an account of general acoustic elements, the source-filter perspective of individual phones and be well oriented in methods of producing spectra and spectrograms
- have acquired the ability to interpret spectrograms
- be able to relate the acoustic qualities of the voice to the gender of the speaker.

### **Course content**

The course deals systematically with fundamental concepts such as frequency, resonance, filtering and formants, with a variety of concrete examples. Practical focus is on the student's ability to interpret spectrograms. In informal experiments, diverse acoustic and perceptual aspects of sound are illustrated. An orientation in the relation of the speech signal to the ear and nervous system is given. Basic information on how we experience pitch and sound strength (so called psychoacoustics) for example, is covered as well as some of the hypotheses of how we perceive sound and speech in general. In addition the course discusses the human voice from articulatory, acoustic and perceptive perspectives. The elements covered are loudness, pitch, quality, voice development, the singing voice, and, among other things, the differences between male and female voices.

### **Course design**

Teaching consists of lectures, laboratory sessions and exercises in the interpretation of spectrograms.

### **Assessment**

Examination takes the form of an invigilated examination.

*Subcourses that are part of this course can be found in an appendix at the end of this document.*

### **Grades**

Marking scale: Fail, Pass, Pass with distinction.

### **Entry requirements**

To be eligible for the course requires the successful completion of LINB01 Linguistics: Spoken Communication – the basis of phonetics, or the equivalent.

### **Further information**

1. The course replaces FON230.
2. The points allocated for course content that in whole or in part is commensurate with another course can only be credited once for a degree. For further details see the current registration information and other relevant documentation.
3. This course is a sub-course in Linguistics, Level 2 LINA21. The credits can only be accredited once for a degree.

## Subcourses in LINC01, Linguistics: Voice and Speech

Applies from V08

0701 Examination, 7,5 hp  
Grading scale: Fail, Pass, Pass with distinction