

Module Title: Phonetics II: Acoustic Analysis of Speech

Module Code: LIN5215

Credit Value: 15

Level: 5

Pre-requisite modules:

Content Description

In this module, students will be introduced to some of the key acoustic techniques used to examine segmental elements of speech. As such, this module focuses on the smallest physical properties of speech which ultimately give rise to meaning. Much of the module will involve lab work and students will be given the opportunity to work both with guidance and independently on assignments. For example, students will undertake a durational analysis of voice onset time in the waveform and a frequency analysis of formants in the spectrogram. Such analyses will build on knowledge of the Source-Filter Theory and on articulatory correlates of the acoustic signal. Students will become confident in identifying how biological, linguistic, social, and psychological factors underlie variation in the acoustic signal. By the end of the module students will be equipped to perform independent acoustic analyses into segmental elements of speech.

Module Aims

One of the key components of phonetics is the acoustic analysis of speech. In this module students will become practically equipped with the necessary techniques involved in the quantitative and instrumental analysis of individual speech segments whilst developing their knowledge of relevant theories to embed their practical analyses.