

## Fonètica Anglesa Avançada

2014/2015

Code: 103987  
ECTS Credits: 6

Degree	Type	Year	Semester
2500245 Estudis anglesos	OT	3	0
2500245 Estudis anglesos	OT	4	0

### Contact

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### Use of languages

Principal working language: anglès (eng)  
Some groups entirely in English: Yes  
Some groups entirely in Catalan: No  
Some groups entirely in Spanish: No

### Objectives and Contextualisation

#### OBJECTIVES

Course requirements: English Phonetics and Phonology 1 and 2.

The course will consist of an introduction to the principles, methods and techniques of articulatory, acoustic and auditory phonetics which are the basis, or substance, of phonological facts. The acoustic-auditory cues used in English to signal sound contrasts and prosodic features will be described and analyzed and compared to those of Spanish and Catalan. The methodology of experimentation in phonetics and phonology will be presented.

- Students will learn to:
- to record, analyze and measure speech sounds instrumentally
- to do acoustic analysis of phonetic variation using Praat
- to present experimental results
- to describe the phonetics of English, Spanish and Catalan
- to describe and analyze the prosody of English
- to do phonetic transcription
- to quantify the data and relate it to phonological questions
- to interpret research papers

### Content

#### COURSE CONTENT

Acoustic, articulatory and perceptual description of English. Production and perceptual difficulties in L2 acquisition.

Introduction to acoustic phonetics.

The source-filter theory of speech production.

Formants and harmonics.

Waveform, spectral and spectrographic analysis.

The acoustic characteristics of English vowels and consonants.

The analysis of suprasegmentals.

Spectrogram reading.

Introduction to speech perception and auditory phonetics.

Auditory cues to identify English vowels and consonants.

Invariance and variability

Speech editing and speech synthesis.

Introduction to speech production.

The respiratory process.

The phonatory process.

The articulatory process. Methods and techniques

Speech aerodynamics.

Coarticulation.