

SUBJECT:	FONÈTICA ANGLESA AVANÇADA
Code:	28452
Credits:	6 (4,5 + 1,5 tutorials)
Semester:	2
Groups:	1
Teacher:	Maria Josep Solé
Tutoria integrada:	virtual
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BRIEF DESCRIPTION OF SUBJECT

The aims of the course are to provide a thorough description of the phonetics of English, and to make students acquainted with the instrumental techniques to analyze phonetic and phonological phenomena.

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. The methodology of experimentation in phonetics and phonology will be presented.

OBJECTIVES

The student will learn

- to record, analyze and measure speech sounds instrumentally.
- to present experimental results.
- to do phonetic transcription
- to interpret research papers
- to describe the phonetics of English, Spanish and Catalan

The facilities of the phonetics laboratory will be available to students in the class.

SYLLABUS

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.

ASSESSMENT

Class participation, homework assignments, assigned readings, quizzes, final exam. The final written exam will include the assigned readings.

Students will be evaluated as follows:

- Final written exam (50%).
- Homework, assignments, quizzes, participation in class (50%).

TUTORIALS

Tutorials will consist in practical exercises and guidance in doing homework assignments

BIBLIOGRAPHY / MATERIALS

Textbook:

Rogers, H. 2000. *The Sounds of Language*. London: Longman.

Selected chapters of:

Borden, G.J., Harris, K.S. & L.J. Raphael. 1994. *Speech Science Primer*. Baltimore, London: Williams and Wilkins. 3rd edition.

Clark, J. and Yallop, C. 1990. *An introduction to phonetics and phonology*. 2nd ed. Oxford: Blackwell.

Johnson, K. (1997). *Acoustic and Auditory Phonetics*. Oxford: Blackwell (2nd ed. 2002).

Ladefoged, P. 2001. *Vowels and Consonants*. Oxford: Blackwell. (2nd ed. 2004)

Ladefoged, P. 2001. *A Course in Phonetics*. New York: Hartcourt. 4th edition.

