

Syllabus

Subject

Subject / Group	11177 - Experimental Phonetics Applied to Speech Acquisition / 1
Degree	Master's Degree in Modern Languages and Literatures
Credits	5
Teaching period	Second semester
Language of instruction	Spanish

Lecturers

Office hours for students

Lecturer	Starting time	Finishing time	Day	Start date	End date	Office / Building
Susana María Cortés Pomacóndor susana.cortes@uib.cat	10:00	11:00	Wednesday	10/09/2018	08/02/2019	Office BG06 (first floor) in Ramon Llull
	10:00	11:00	Tuesday	11/02/2019	30/06/2019	Office BG06 (first floor) in Ramon Llull

Context

This subject aims to introduce students on the Master's programme to current areas of research in the field of speech acquisition in second languages. The work methodology shall comprise the reading and debate of academic articles, and shall be supplemented with workshops on applying *Praat* software to analyse speech production and perception.

Requirements

Students on this subject must have a mastery of English enabling them to understand academic articles in the discipline.

Essential

Students on this subject must have a mastery of English enabling them to understand academic articles in the discipline.

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Recommended

Students are recommended to have some notions of phonetics and phonology, as well as be familiar with the IPA phonetic alphabet (International Phonetic Association).

Skills

Specific

- * The ability to find and handle specialised bibliographical resources in/on philology in the field of linguistics. (1)
- * The ability to apply information and communication technology in the field of specialised philological research. (3)
- * The ability to propose working research hypotheses into phonetics, using the methodological resources of different linguistic theories. (11)

Generic

- * The ability to learn and critically apply the analysis tools and methods inherent to linguistics research. (7)
- * The ability to summarise research results and produce texts and scientific contributions in specialised publications in the linguistics field. (10)
- * Learning skills that enable ongoing training which shall mostly be self-managed or independent. (12)

Basic

- * The core skills students must attain at the end of the Master's can be viewed at the following link:
http://estudis.uib.cat/master/comp_basiques

Content

Theory content

- Topic 1. Phonetics and Phonology
Reviewing basic phonetic and phonological concepts. An analysis and description of the acoustic characteristics of speech sounds.
- Topic 2. Theoretical Learning Models for L2 Phonology
Speech Learning Model, Perceptual Assimilation Model.
- Topic 3. Factors involved in the Acquisition of L2 Phonology
Development factors: critical period hypothesis. Exposure: input quantity and quality. Interactions between L1 and L2 phonological systems.
- Topic 4. Methods for Assessing L2 Speech Production
Acoustic analysis of segment features: measuring consonants and vowels by spectrography. Creating tests to assess intelligibility and foreign accent.
- Topic 5. Studying L2 Speech Perception

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Categorical perception. Perception tests:

- Sound recognition tests
- Auditory discrimination tests.

Teaching Methodology

The theory sessions shall combine explanations from the lecturer with discussion of academic articles. Students are expected to actively participate and make presentations of articles. The speech analysis workshops with *Praat* shall comprise the practical aspect of the subject.

In-class work activities (1 credit, 25 hours)

Format	Name	Group Type	Description	Hours
Theory classes		Large group (G)	Explanation of the theory content.	8
Seminars and workshops		Medium group (M)	Discussion of specialised articles. Student presentation of work, research and readings	7
Lab classes		Medium group 2 (X)	Becoming familiar with the <i>Praat</i> speech analysis program.	6
ECTS tutorials		Small group (P)	Guidance and monitoring of research work.	4

Students will be provided with the subject schedule on the UIBdigital platform at the start of the semester. As a minimum, this schedule shall include the dates for the continuous assessment tests and for submission of work. In addition, the lecturer shall notify students as to whether the subject work plan shall be undertaken as per the schedule or via another method, including the Aula Digital platform.

Distance work activities (4 credits, 100 hours)

Format	Name	Description	Hours
Individual self-study and work		Reading specialised articles and preparing individual research work. Obtaining and analysing data.	50
Independent group work		Reading specialised articles. Preparing oral presentations of work and articles.	50

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Specific hazards and protection measures

The learning activities of this subject do not entail specific health and safety hazards for students. There is, therefore, no need for special protection measures.

Student learning assessment

Fraud in assessment components

In accordance with article 33 of the Academic Regulations, 'regardless of the disciplinary procedure that may be taken against the guilty student, clear falsification of any assessment component included in the subject course guides shall, as per the lecturer's evaluation, lead to a deduction in the student's mark which could include a '0 fail' mark in the annual subject assessment'.

Theory classes

Format	Theory classes
Technique	Objective tests (recoverable)
Description	Explanation of the theory content.
Assessment criteria	Written examination on the theory and practical content of the subject.

Percentage of final mark: 30% of mark, minimum mark of 5

Seminars and workshops

Format	Seminars and workshops
Technique	Oral tests (non-recoverable)
Description	Discussion of specialised articles. Student presentation of work, research and readings
Assessment criteria	Student presentation of work, research and readings.

Percentage of final mark: 20%



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Lab classes

Format	Lab classes
Technique	Work and projects (recoverable)
Description	Becoming familiar with the Praat speech analysis program.
Assessment criteria	Reading specialised articles, data mining and analysis, to produce research work on experimental phonetics.

Percentage of final mark: 50% of mark, minimum mark of 5

Resources, bibliography and supplementary documentation

Basic bibliography

- * Johnson, K. (2011). *Acoustic and Auditory Phonetics*. London: Wiley-Blackwell.
- * Kent, R. D. & Read, C. (2002). *Acoustic Analysis of Speech*. San Diego: Singular.
- * Ladefoged, P. (2003). *Phonetic Data Analysis. An Introduction to Fieldwork and Instrumental Techniques*. London: Wiley-Blackwell
- * Martínez Celdrán, E. (1996). *El sonido de la comunicación humana. Introducción a la fonética*. Barcelona: Octaedro.
- * Martínez Celdrán, E. (1998). *Análisis espectrográfico de los sonidos del habla*. Barcelona: Ariel.

Supplementary bibliography

- * Best, C. T., & Tyler, M. D. (2007). Nonnative and second-language speech perception: Commonalities and complementarities. In M. J. Munro & O.-S. Bohn (Eds.), *Language experience in second language speech learning: In honor of James Emil Flege* (pp. 13-34). Amsterdam: John Benjamins.
- * Bohn, O.S. & Munro, M. (Eds.) (2007). *Language Experience in Second Language Speech Learning*. Amsterdam: John Benjamins.
- * Derwing, T. M. (1999). Foreign Accent Comprehensibility and Intelligibility in the Speech of Second Language Learners. *Language Learning*, 49, 1, 285-310.
- * Eckman, F. R. (2004). Research on Second Language Phonology. *Studies in Second Language Acquisition*, 26, 513-549.
- * Flege, J. E. (2003). Assessing Constraints on Second-Language Segmental Production and Perception. In A. Meyer & N. Schiller (Eds.), *Phonetics and Phonology in Language Comprehension and Production, Differences and Similarities* (pp. 319-255). Berlin: Mouton de Gruyter.
- * Hualde, J. I. (2005). *The Sounds of Spanish*. Cambridge: Cambridge University Press.
- * Martínez Celdrán, E. (1998). *Análisis espectrográfico de los sonidos del habla*. Barcelona: Ariel.
- * Miller, J. (1990). Speech Perception. In D. N. Osherson & H. Jasník (Eds.), *An Invitation to Cognitive Science. Vol I: Language* (pp. 69-93). Cambridge, MA: MIT Press.
- * Piske, T., MacKay, I. R. A. & Flege, J. E. (2001). Factors affecting degree of foreign accent in an L2: a review. *Journal of Phonetics*, 29, 191-125.
- * Strange, W. (Ed.) (1995). *Speech Perception and Linguistic Experience. Issues in Cross-Language Research*. Baltimore: York Press.

Other resources

<http://www.fon.hum.uva.nl/praat/>

