

# Perception multimodale de la parole et traitement cognitivo-linguistique

## Lecturers

Brigitte CHARLIER (Coordinator) and Cécile COLIN

## Course mnemonic

LOGO-E5006

## ECTS credits

5 credits

## Language(s) of instruction

French

## Course period

Second term

## Campus

Solbosch

## Course content

Basics of speech perception  
Theories on speech perception  
Notions of neurophysiology  
Encoding of speech sounds from the periphery to the cortex  
Atypical situations  
Training / expertise  
Multimodality in speech perception

## Objectives (and/or specific learning outcomes)

Teaching in two parts.

Part of Ms Colin (12h): objectives: understand how speech sounds are encoded and represented at all levels of the typical auditory nervous system as well as in atypical situations (noise, learning disorders, ...) and understand the effects remediation.

Part of Ms Charlier (24h): objectives: integrate a multifactorial understanding of the perception of speech, beyond the perception of the sound signal of speech.

## Teaching method and learning activities

The courses is half ex-cathedra and half based on clinical vignettes, films (+ part of a MOOC on the cognitive neurosciences of audition), scientific documents in order to nourish reflection and interactions among the students.

## Contribution to the teaching profile

Learn to progress in the complexity of a scientific reasoning based on an analysis of the literature, going beyond the obvious,

with a connection of knowledge already discussed in previous years. By mixing and expanding the concepts covered in the Bac and Master courses, by learning to deepen them, while maintaining the objective of a new appropriation of the concept of speech perception in multimodal form. The development of a connection between notions, knowledge, acquired knowledge, reflections, therapeutic experiences, clinical observations and scientific contributions, in the form of reflective back and forths, ultimately constitutes the objective of this part of the course.

## References, bibliography and recommended reading

A list can be found on the UV, as well as some articles in pdf

## Course notes

Université virtuelle

## Other information

### Place(s) of teaching

Solbosch

### Contact(s)

CHARLIER Brigitte <Brigitte.Charlier@ulb.be>

Cécile Colin <cecile.colin@ulb.be>

## Evaluation method(s)

Oral examination and Written report

### Evaluation method(s) (additional information)

Oral examination based on written report

### Determination of the mark (including the weighting of partial marks)

Global mark

### Main language(s) of evaluation

French

## Programmes

Programmes proposing this course at the faculty of Psychology, Educational Sciences and Speech and Language therapy

MA-LOGU | Master in Speech and Language Therapy | finalité  
Professional/unit 2

