

## SYLLABUS DEL CORSO

### **Aspetti Cognitivi ed Evolutivi della Sordità**

2526-1-E2007P006

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#### **Learning area**

Study of the psychological and cognitive aspects of deafness

#### **Learning objectives**

##### **Knowledge and Understanding**

Plasticity of the brain following sensory deprivation  
Sensitive periods of development  
Evolution of language  
Cochlear implants

##### **Ability to apply knowledge and understanding**

Being able to discuss the topics covered through the presentation of further material  
Critical discussion of potential applications of the material covered  
Being able to inform on the basis of scientific studies on the use of cochlear implants

##### **Autonomy of judgement**

Development of the ability to evaluate the consequences of sensory deprivation and its reaffirmation on brain development  
Development of the ability to evaluate experimental methodologies and data interpretations

##### **Communicative skills**

Enhancement of the ability to communicate content clearly and effectively by presenting in-depth articles of the student's choice

##### **Learning skills**

Development of the ability to pursue learning independently, with critical awareness.

Translated with DeepL.com (free version)

## Contents

The course is represented by lectures and interactive activities, the latter represented by presentations that students will make at the end of the course to put into practice the notions learned in the lectures.

## Detailed program

- Physiology of sound
- Brain plasticity
- Cognitive and brain changes following deafness in deaf children and adults
- Behavioural and physiological techniques for measuring cognition in the hearing and deaf individual
- Evolution of oral and sign language
- Cochlear implants

Presentation of in-depth articles and a project by each student.

## Prerequisites

None

## Teaching methods

The acquisition of the knowledge described above will be pursued through both didactic delivery (lectures, 90%) and interactive teaching (10%).

During interactive teaching, students will be given the opportunity to acquire some basic operational and methodological tools necessary for the development of professional skills through active experimentation. This will result in the preparation and presentation of an in-depth topic of the student's choice.

## Assessment methods

The examination consists of an oral test of approximately 30 minutes on the content of the lectures. Effective acquisition of the material covered, the ability to make connections, and expository ability will be assessed.

## Textbooks and Reading Materials

The text and any further details will be provided at the beginning of the course.

## **Sustainable Development Goals**

QUALITY EDUCATION

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