

**COURSE DATA****DATA SUBJECT****Code:** 35285**Name:** Hearing Disorders**Cycle:** Undergraduate Studies**ECTS Credits:** 4.5**Academic year:** 2025-26**STUDY (S)**

Degree	Center	Acad. year	Period
1203 - Degree in Speech Therapy	Facultat de Psicologia i Logopèdia	2	Second quarter

SUBJECT-MATTER

Degree	Subject-matter	Character
1203 - Degree in Speech Therapy	Pathology of hearing	COMPULSORY

COORDINATION

PONS ROCHER FRANCISCO

ZAPATER LATORRE ENRIQUE

SUMMARY

This course describes the different pathologies that can cause hearing loss or hearing loss in the different parts of the ear (external, middle, and inner), auditory pathways, and auditory centers.

It examines the different classifications of hearing loss, its clinical significance, and prognosis. It details the clinical conditions that can cause it and the treatments used accordingly.

It also describes technical aspects of the different forms of treatment, such as conventional and implantable hearing aids and cochlear implants. This knowledge is essential for speech-language pathologists, especially those specialising in deafness interventions.

PREVIOUS KNOWLEDGE**RELATIONSHIP TO OTHER SUBJECTS OF THE SAME DEGREE**

1203 - Degree in Speech Therapy



Obligation to have previously passed the subject(s)

35272 - Anatomy of Language and Hearing Organs
35273 - Physiology of Language and Hearing Organs

OTHER REQUIREMENTS

Knowledge of the anatomy of the inner ear and the physiology of hearing and the vestibular system is essential. Knowledge of hearing examination procedures is essential. Knowledge of neuroanatomy is recommended.

COMPETENCES / LEARNING OUTCOMES

1203 - Degree in Speech Therapy

Be familiar with communication, language, speech, hearing, voice and non-verbal communication disorders.

Be familiar with labyrinthine semiology: hearing loss and its symptoms associated with otologic pathology.

Develop communication skills in the general population.

Know the diagnosis and treatment of diseases that affect hearing and, concretely, hearing aids and cochlear implants.

Know the otologic diseases that may cause hearing loss.

Know the types of hearing loss and their classification.

Manage the technologies of communication and information.

Master the terminology that allows an effective interaction with other professionals.

Select, implement and facilitate the learning of augmentative communication systems, as well as the design and use of prostheses and technical aids adapted to the physical, psychological and social conditions of the patient.

Students must be able to apply their knowledge to their work or vocation in a professional manner and have acquired the competences required for the preparation and defence of arguments and for problem solving in their field of study.

Students must be able to communicate information, ideas, problems and solutions to both expert and lay audiences.

Students must have developed the learning skills needed to undertake further study with a high degree of autonomy.

Students must have the ability to gather and interpret relevant data (usually in their field of study) to make judgements that take relevant social, scientific or ethical issues into consideration.



DESCRIPTION OF CONTENTS

1. CONCEPT AND CLASSIFICATION OF HEARING LOSS.

Knowledge of the terminology used, the different ways of classifying hearing loss, and its importance and prognosis.

Concept of deafness. Classification according to hearing loss
Clinical-topographic classification of hearing loss
Classification according to the time of onset
Etiology of hearing loss

2. SYMPTOMS ASSOCIATED WITH HEARING LOSS

Description of the symptoms commonly associated with hearing loss

Tinnitus. Concept and classification. treatment
Vertigo. Concept and classification.
Peripheral vertigo. Meniere's Vertigo

3. SENSORINEURAL HEARING LOSS

Description and understanding of the different pathologies that cause sensorineural hearing loss.
Concept and types of sensorineural hearing loss. Congenital hearing loss.
Hereditary Hearing Loss. Genetic Aspects
Acute and chronic acoustic trauma.
Occupational hearing loss
Ototoxicity
Presbycusis and central deafness.
Sudden deafness. Fluctuating hearing loss.

4. CONDUCTIVE HEARING LOSS

Description and understanding of the conditions that cause conductive hearing loss.



Concept and types of conductive hearing loss. Otosclerosis.
 External ear pathology. External otitis media. Foreign bodies. Ear malformations.
 Otitis media. Concept and classification. Acute otitis media. Secretory otitis media.
 Chronic otitis media with central perforation and chronic otitis media with marginal perforation.
 Cholesteatoma.
 Complications and sequelae of chronic otitis media. Surgical treatment of chronic otitis media.

5. OTHER PATHOLOGIES RELATED TO HEARING LOSS

Description of other conditions that may present or cause hearing loss.
 Boulder fractures.
 Facial paralysis.
 Ear tumors

6. HEARING AID.

Knowledge of the treatment and rehabilitation options for hearing loss using hearing aids.
 Conventional hearing aids. External bone conduction prostheses.
 Osseointegrated and middle ear implants.
 Cochlear implants.

WORKLOAD

PRESENCIAL ACTIVITIES

Activity	Hours
Theory	30,00
Clinical practice	5,00
Total hours	35,00

NON PRESENCIAL ACTIVITIES

Activity	Hours
Attendance at other activities	0,00
Individual or group project	0,00
Independent study and work	25,00
Preparation of lessons	25,00
Preparation for assessment activities	17,50
Resolution of case studies	0,00
Total hours	67,50



TEACHING METHODOLOGY

Theoretical classes: teacher presentations with audiovisual support, master classes, explanations of the contents and class discussion. 30 contact hours.

Practical classes: clinical sessions held in ENT departments at university hospitals, case studies, performance of examination techniques and participation in practical activities under supervision. 15 contact hours.

Individual or group tutoring.

Preparation of individual assignments, case studies, report writing, and other practical activities.

EVALUATION

The assessment system will be the same for both the first and second exam sessions.

SE1: Assessment of theoretical and practical content through written tests. This section will account for 80% of the final grade.

SE2: Attendance at hospital practical sessions and completion of tasks during these sessions. This section will account for 20% of the final grade. This section will not be recoverable and the marks will be maintained in the second exam session. Students who have completed 80% of the practical sessions may sit the first exam session. Students who did not sit the first exam session and those who failed the first exam session may sit the second exam session.

Attendance at theoretical classes, participation and student work in them will be taken into account as part of the continuous assessment of students.

Minimum requirements:

Attendance at hospital practical sessions is compulsory, and in order to sit the assessment exam, students must attend at least 80% of these sessions and provide adequate justification for any absences due to force majeure.

In order to pass the course, both in the first and second exam sessions, students must obtain a minimum of:

- 4 points out of 8 in SE1.- 1 point out of 2 in SE2.

In the event of fraudulent practices, the University of Valencia's Protocol for dealing with fraudulent practices (ACGUV 123/2020) will be followed: <https://www.uv.es/sgeneral/Protocols/C83sp.pdf>

As indicated in the regulations for the awarding of Honours, this will be done in strict order of grade. In the event of a tie, the Honours will be awarded to the student with the highest grade in SE1. If the tie persists, the grade in section SE2 will be used. If all grades are still equal, the teacher may give an additional test to



the students involved.

REFERENCES

Basic

- Apuntes publicados en aula virtual.
- Morera, C. y Marco, J. (2006). Lecciones de Otorrinolaringología aplicada. Barcelona: Glosa.
- Basterra, J. (2015) Otorrinolaringología patología cervicofacial: manual ilustrado. Barcelona: Elsevier Masson.

Complementary

- Utilización del aula virtual para intercambio de información y presentación de los informes.
- Salesa, Perelló y Bonavida. (2005). Tratado de Audiología. Barcelona: Elsevier-Masson.
- Sera suministrada bibliografía adicional para aspectos concretos a petición del estudiante.