

**COURSE DATA****Data Subject**

Code	35285
Name	Hearing Disorders
Cycle	Grade
ECTS Credits	4.5
Academic year	2023 - 2024

Study (s)

Degree	Center	Acad. year	Period
1203 - Degree in Speech Therapy	Faculty of Psychology and Speech Therapy	2	Second term

Subject-matter

Degree	Subject-matter	Character
1203 - Degree in Speech Therapy	12 - Pathology of hearing	Obligatory

Coordination

Name	Department
ZAPATER LATORRE, ENRIQUE	40 - Surgery

SUMMARY

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

Different classifications of hearing loss are studied clinical and prognostic significance. Clinical conditions that can provoke and accordingly treatments used are detailed.

Technical aspects as conventional and implantable hearing aids, cochlear implants are also described.

These skills are necessary for speech therapist especially those engaged in the rehabilitation of the deaf and hard of hearing in general.

PREVIOUS KNOWLEDGE



Relationship to other subjects of the same degree

There are no specified enrollment restrictions with other subjects of the curriculum.

Other requirements

It is essential to have knowledge of the inner ear anatomy and physiology of hearing and vestibular apparatus. It is necessary to have passed the subjects of anatomy and physiology.

It is essential to know the procedures for hearing screening

Knowledge of neuroanatomy are recommended.

COMPETENCES (RD 1393/2007) // LEARNING OUTCOMES (RD 822/2021)

1203 - Degree in Speech Therapy

- 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 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.
- 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.
- 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.
- Develop communication skills in the general population.
- Be familiar with communication, language, speech, hearing, voice and non-verbal communication disorders.
- Manage the technologies of communication and information.
- Be familiar with labyrinthine semiology: hearing loss and its symptoms associated with otologic pathology.
- Know the types of hearing loss and their classification.
- Know the otologic diseases that may cause hearing loss.
- Know the diagnosis and treatment of diseases that affect hearing and, concretely, hearing aids and cochlear implants.



LEARNING OUTCOMES (RD 1393/2007) // NO CONTENT (RD 822/2021)

Identify the different hearing loss, tinnitus and dizziness Identify instruments treatment of sensorineural hearing loss: hearing aids, cochlear implants and other implantable prostheses. Identify changes in the secondary communication to hearing loss, ear tumors and facial paralysis.

DESCRIPTION OF CONTENTS

1. Concept and Classification of hearing loss

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.
Dizziness peripherals. Meniere's Vertigo

3. Neurosensory hearing loss

Concept and types of neurosensory hearing loss. Congenital hearing impairment. Deaf-mutism.
Hereditary Hearing Loss. genetic Aspects
Acute and chronic acoustic trauma. Professional Hearing Loss
Ototoxicity

4. Trasnmission hearing loss

Description and knowledge of the diseases that cause hearing loss transmission.

Concept and types of diseases transmission. Otosclerosis.
Pathology of the external ear. External Otitis. Foreign bodies. Ear malformations.
Otitis. Concept and classification. Acute otitis media. Secretory otitis media.
Chronic otitis media with central perforation and chronic otitis media marginal perforation.
Cholesteatoma.



5. OTHER RELATED DISEASES HEARING LOSSES.

Description of other conditions that may make or cause hearing loss

Fractures of the cliff.

Facial Paralysis.

Ear Tumors

6. HEARING AID.

Knowledge of treatment options and rehabilitation of hearing loss using hearing aids

Conventional Hearing Aids. Via external prosthetic bone.

Prostheses implantable bone anchored and middle ear

Cochlear Implants

WORKLOAD

ACTIVITY	Hours	% To be attended
Theory classes	30,00	100
Other activities	15,00	100
Study and independent work	65,00	0
TOTAL	110,00	

TEACHING METHODOLOGY

Theoretical-classes, presentations, lectures and theoretical analysis of the contents of the subject.

Practices, classes, seminars, case studies, clinical sessions and discussion of practical cases.

Individual or group tutoring.

Preparation of individual papers, case study, reporting and performing other hands-on activities.

-Study, preparation and conduct of the evaluation.

EVALUATION

- 10% for attendance at theoretical classes.
- 20% for attendance at internships where the student must fill out an attendance sheet signed by the doctor responsible for the internship.
- 80% through an exam of theoretical knowledge of the subject of short questions.

Minimum requirements

- Overcome 50% mastery in the exam.
- Assistance to hospital practices.



In the event of fraudulent practices, the Action Protocol for fraudulent practices at the University of Valencia will be applied (ACGUV 123/2020):

<https://www.uv.es/sgeneral/Protocols/C83.pdf>

REFERENCES

Basic

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

Additional

- Salesa, Perelló y Bonavida. (2005). Tratado de Audiología. Barcelona: Elsevier-Masson.
- Sera suministrada bibliografía adicional para aspectos concretos a petición del estudiante