



Information about the subject

Degree: Bachelor of Science Degree in Speech and Language Therapy

Faculty: Faculty of Psychology

Code: 1172010 **Name:** Introduction to Audiology

Credits: 6,00 **ECTS Year:** The course is not offered this academic year **Semester:**

Module: Optatives

Subject Matter: Audiology **Type:** Elective

Field of knowledge: Ciencias de la Salud

Department: Speech Therapy

Type of learning: Classroom-based learning

Languages in which it is taught:

Lecturer/-s:



Module organization

Optatives

Subject Matter	ECTS	Subject	ECTS	Year/semester
Audiology	18,00	Audiological assessment	6,00	This elective is not offered in the academic year 24/25
		Introduction to Audiology	6,00	This elective is not offered in the academic year 24/25
		Medical Audiology	6,00	This elective is not offered in the academic year 24/25
Neuropsychology	18,00	-Biology of human behavior	6,00	This elective is not offered in the academic year 24/25
		Clinical Neuropsychology	6,00	This elective is not offered in the academic year 24/25
		Psychogerontology	6,00	This elective is not offered in the academic year 24/25
Clinical Linguistics	18,00	Acoustic Phonetics	6,00	This elective is not offered in the academic year 24/25
		Bilingualism and speech and language therapy	6,00	This elective is not offered in the academic year 24/25



Clinical Linguistics		Methods of language analysis applied to speech and language therapy	6,00	
Work techniques	18,00	Documentation in health sciences	6,00	This elective is not offered in the academic year 24/25
		Methodologies of professional skills for communication I	6,00	
		Methodologies of professional skills for communication II	6,00	
Educational processes and contexts	18,00	Design and assessment of educational action plans	6,00	This elective is not offered in the academic year 24/25
		Didactics and educational innovation	6,00	This elective is not offered in the academic year 24/25
		Educational fundamentals and school organisation	6,00	This elective is not offered in the academic year 24/25
		Teaching-Learning Processes in the Classroom: Techniques and Tools	6,00	This elective is not offered in the academic year 24/25
Sign Language	18,00	Communication systems for the deafblind	6,00	This elective is not offered in the academic year 24/25
		Spanish Sign Language I	6,00	This elective is not offered in the academic year 24/25



Sign Language		Spanish Sign Language II	6,00	This elective is not offered in the academic year 24/25
		Spanish Sign Language III	6,00	This elective is not offered in the academic year 24/25
Psychology	18,00	Clinical psychopathology and of health in children and adolescents	6,00	
		Psychopathology in adults	6,00	
		Psychopathology in children and adolescents	6,00	

Learning outcomes

At the end of the course, the student must be able to prove that he/she has acquired the following learning outcomes:

- R1 Describe the basic audiological tests
- R2 Perform, analyze results and report on the process of otoscopy and accummetry
- R3 Perform, analyze results and report on the audiometry process



Competencies

Depending on the learning outcomes, the competencies to which the subject contributes are (please score from 1 to 4, being 4 the highest score):

SPECIFIC	Weighting			
	1	2	3	4
CE6 To understand the fundamentals of the evaluation and diagnostic process.				X
CE8 To evaluate language alterations in specific language developmental disorders: specific developmental language disorders, specific language disorders, language delays, phonetic and phonological disorders; communication and language disorders associated with auditory and visual deficits, attention deficit, mental impairment, pervasive developmental disorder, autism spectrum disorders, infantile cerebral palsy and multiple impairments; specific written language disorders; dyscalculias; alterations in language development due to social deprivation and those associated with multicultural and multilingual contexts; disorders of speech fluency; aphasia and associated disorders; dysarthria; dysphonia; dysglosia; alterations of language in ageing and degenerative disorders; alterations of language and communication in mental illnesses; mutism and language inhibitions; alterations of non-verbal oral functions: atypical swallowing, dysphagia and tubal alterations.			X	
CE20 Understand and implement technical aids to communication	X			
CE35 Explore, evaluate, diagnose and issue forecasts on the evolution of communication and language disorders from a multidisciplinary perspective			X	
CE43 Knowing the limits of competencies and knowing when interdisciplinary treatment is necessary			X	
TRANSVERSAL	Weighting			
	1	2	3	4
CT2 Critically evaluate own job performance and that of other professionals to improve results	X			



CT3	Have the flexibility to work within teams integrated by other professionals belonging to the same field		X	
CT5	Recognize, analyze and obtain solutions to ethical problems in professional practice situations	X		
CT6	Adapt to new situations arising in their profession		X	
CT8	Know and use of technical advances in the exercise of their profession			X

Assessment system for the acquisition of competencies and grading system

Assessed learning outcomes	Granted percentage	Assessment method
	50,00%	Written exam
	30,00%	Practical work assignments assessment
	20,00%	Attendance and participation of in-person formative activities

Observations

In accordance with the regulations governing the assessment and grading of subjects in force at UCV, the distinction of "Matrícula de Honor" (Honours with Distinction) may be awarded to students who have achieved a grade of 9.0 or higher. The number of "Matrículas de Honor" (Honours with Distinction) may not exceed five percent of the students enrolled in the group for the corresponding academic year, unless the number of enrolled students is fewer than 20, in which case a single "Matrícula de Honor" (Honours with Distinction) may be awarded.

Exceptionally, these distinctions may be assigned globally across different groups of the same subject. Nevertheless, the total number of distinctions awarded will be the same as if they were assigned by group, but they may be distributed among all students based on a common criterion, regardless of the group to which they belong. The criteria for awarding "Matrícula de Honor" (Honours with Distinction) will be determined according to the guidelines stipulated by the professor responsible for the course, as detailed in the "Observations" section of the evaluation system in the course guide.



Learning activities

The following methodologies will be used so that the students can achieve the learning outcomes of the subject:

- M1 On-Campus Class
- M2 Practical Class
- M3 Seminar
- M4 Laboratory
- M5 Individual Work
- M6 Group Work
- M7 Work Exhibition
- M8 Clinical Case Analysis
- M9 Prácticas en clínicas y centros



IN-CLASS LEARNING ACTIVITIES

	LEARNING OUTCOMES	HOURS	ECTS
ON-CAMPUS CLASS. Teacher presentation of contents, analysis of competences, explanation and in-class display of skills, abilities and knowledge M1, M3	R1	6,00	0,24
PRACTICAL CLASSES. Group work sessions supervised by the professor. Case studies, diagnostic tests, problems, field work, computer room, visits, data search, libraries, on-line, Internet, etc. Meaningful construction of knowledge through interaction and student activity M2, M4	R2, R3	30,00	1,20
GROUP WORK EXHIBITION. Application of multidisciplinary knowledge M2, M4	R2, R3	6,00	0,24
SEMINAR. Supervised monographic sessions with shared participation M3	R1	6,00	0,24
OFFICE ASSISTANCE. Personalized and small group attention. Period of instruction and/or orientation carried out by a tutor to review and discuss materials and topics presented in classes, seminars, papers, etc. M3, M4	R1, R2, R3	9,00	0,36
ASSESSMENT. Set of oral and/or written tests used in initial, formative or additive assessment of the student M4	R1, R2, R3	3,00	0,12
TOTAL		60,00	2,40



LEARNING ACTIVITIES OF AUTONOMOUS WORK

	LEARNING OUTCOMES	HOURS	ECTS
GROUP WORK. Group preparation of readings, essays, problem solving, seminars, papers, reports, etc. to be presented or submitted in theoretical lectures, practical and/or small-group tutoring sessions. Work done on the university e-learning platform M3	R1, R2, R3	36,00	1,44
INDEPENDENT WORK. Student study: Individual preparation of readings, essays, problem solving, seminars, papers, reports, etc. to be presented or submitted in theoretical lectures, practical and/or small-group tutoring sessions. Work done on the university e-learning platform M3	R1, R2, R3	54,00	2,16
TOTAL		90,00	3,60

Description of the contents

Description of the necessary contents to acquire the learning outcomes.

Theoretical contents:

Content block

Contents

INTRODUCTION TO AUDIOLOGY

Topic 1. Introduction. Basic concepts about hearing acoustics. Waves waves. Relationship between physical and audiometric parameters. Topic 2. Acumetry. Application and interpretation. Topic 3. Liminal audiometry. Masking. Supraliminal audiometry. Application and interpretation. Topic 4. Verbal audiometry. Application and interpretation. Topic 5. Impedanciometry. Application and interpretation. Topic 6. Otoacoustic otoemissions. Application and interpretation.



Temporary organization of learning:

Block of content	Number of sessions	Hours
INTRODUCTION TO AUDIOLOGY	30,00	60,00

References

- Salesa, E., Perelló, E. y Bonavida, A. (2005). Tratado de audiolología. Barcelona: Masson
- Tapia Risueño, M. (2004). Manual de audiolología. Salamanca: Catedral 3
- Portmann y Portmann (1979). Audiometría Clínica. Barcelona: Toray-Masson S.A
- Labella, T. y Lozano, A. (1988). Manual de Audiometría. Madrid: Garsi S.A
- Kramer, S. & Brown, D. (2021). *AUDIOLOGY science to practice*. S.I: PLURAL PUBLISHING INC.