

Voice Alterations: Evaluation and Intervention

Code: 101718
ECTS Credits: 6

2025/2026

Degree	Type	Year
Logopedia	OB	3

Contact

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Teachers

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Teaching groups languages

You can view this information at the [end](#) of this document.

Prerequisites

We recommended to have passed subject Física Acústica i Audiologia (101708).

Objectives and Contextualisation

At the end of this subject, the student will be able to:

1. Know your voice and modulate it.
2. Master the scales of perceptual analysis and the tools of acoustic analysis of the voice.
3. Know the vocal alterations produced by the different pathologies of the voice.
4. Develop an intervention plan for the rehabilitation of vocal disorders and carry it out.
5. Write an objective and subjective assessment of a patient's vocal condition.

Learning Outcomes

1. CM12 (Competence) Explain in writing the diagnosis and proposed speech therapy treatment in order to inform other professionals involved in the case (speech therapists, ENT specialists, teachers, paediatricians, etc.).
2. KM23 (Knowledge) Recognise in which situations a referral is required to a specialist in ENT, audiology, speech therapy or other related specialties.
3. SM19 (Skill) Plan for family collaboration and participation in speech therapy treatment related to speech, voice, and hearing.
4. SM20 (Skill) Prepare a medical history based on the symptoms and signs provided by the patient.
5. SM21 (Skill) Analyse possible inequalities based on gender/sex or origin due to vocal and auditory characteristics.
6. SM67 (Skill) Apply the specific assessment tools appropriate for speech, voice and hearing.
7. SM68 (Skill) Design speech therapy interventions, selecting the appropriate objectives, techniques and resources for speech, voice and hearing intervention.

Content

1. Description of normophonia. Use of the melodic keyboard and mobile applications for vocal work. Vocal self-image. VHI.
2. Perceptual voice assessment scales: GRBASI, S3R3b0r0 and CAPE-V. Communicative vocal behavior.
3. Vocal uses. Amplified voice. Anamnesis.
4. Vocal disturbance and vocal goodness algorithms. Perceptual analysis of the voice.
5. Classification of dysphonias. Dysphonia due to vocal nodules.
6. Dysphonia due to vocal polyps. Use of the phonogram. Vocal hygiene.
7. Dysphonia due to Reinke's edema. LaxVox technique. Acoustic analysis of the voice.
8. Dysphonia due to endochordal cyst. Concept of vocal optimum. Alexander technique.
9. Dysphonia due to recurrent nerve palsy. Nasal breathing.
10. Dysphonia due to Stretch marks and sulcus. Modes of phonation.
11. Childhood dysphonia. Phonorespiratory coordination.
12. Spasmodic dysphonia. Projected voice.
13. Psychogenic dysphonia. Presbyphonia.
14. Dysphonia during vocal molt. Dysphonias of neurological origin. Vocal feminization.

Activities and Methodology

Title	Hours	ECTS	Learning Outcomes
Type: Directed			
follow-up of a real case and discussion	24	0.96	CM12, KM23, SM19, SM20, SM68, CM12
masterclasses and classroom activities	21	0.84	KM23, SM68, KM23
Type: Supervised			
comprehensive reading of articles	10	0.4	SM68, SM68
Seguimiento de un caso real	14	0.56	CM12, KM23, SM19, SM20, SM67, CM12
Type: Autonomous			
bibliographic search	5	0.2	SM21, SM68, SM21
personal study	50	2	KM23, SM19, SM21, SM67, SM68, KM23

preparation of releases	20	0.8	KM23, SM20, SM67, KM23
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In this subject, the essential knowledge will be acquired to be able to evaluate and intervene in the different alterations of the voice. The necessary theory will be addressed to create a good theoretical foundation that will be complemented with the analysis of real cases. During the party group seminars, the theoretical content can be put into practice. It aims to be a very experiential subject and from an eminently practical point of view.

Annotation: Within the schedule set by the centre or degree programme, 15 minutes of one class will be reserved for students to evaluate their lecturers and their courses or modules through questionnaires.

Assessment

Continuous Assessment Activities

Title	Weighting	Hours	ECTS	Learning Outcomes
EV1 - Exam I	35%	1.5	0.06	SM20, SM21, SM67, SM68
EV2 - Exam	45%	1.5	0.06	KM23, SM19, SM68
EV3 - Practices	20%	3	0.12	CM12, KM23, SM68

Following the guidelines for the evaluation of the degrees of the Faculty of Psychology (see this link <https://www.uab.cat/web/estudiar/graus/graus/evaluacions-1345722525858.htm>), the guidelines for the evaluation of this subject is the following:

A) Definition of passed subject: To successfully pass this subject it is necessary to obtain a grade of 5,0 points out of 10 or higher, in each of the evidences of learning that are detailed in the following table:

Evidence	Denomination	Weight	Format	Autorship	Via	Feedback
Code			(oral, written or both)	(Individual, collective, both)	(attended, virtual or both)	
EV1	Written test I (week 8)	35%	Written	Individual	Attended	Notes and qualitative feedback throughout week 8
EV2	Real cases report (week 17)	45%	Written	Individual	Virtual	Notes and qualitative feedback throughout week 20
EV3	Written test II	20%	Oral	Individual	Attended	Notes and qualitative feedback throughout week 20

B) Remedial tests: Those students who have not met the criteria established to pass the subject and who have previously been assessed in a set of activities whose weight is equivalent to a minimum of two thirds of the total grade of the subject.

C) Definition of the different pieces of evidence:

1. EV1: assessment in the form of a test-type exam that will account for 35% of the total mark. Failure to achieve a 5,0 out of 10 of this evidence gives the right to a make-up exam or compensatory work at the teacher's discretion.

2. EV2: test-type assessment plus an open essay question, about a case, which will account for 45% of the subject's final mark. Failure to pass this evidence gives the right to his recovery with another exam or compensatory work.

3. EV3: assessment with an oral presentation of case analysis. Attendance at seminars is mandatory at a minimum of 80%. This minimum attendance plus the case presentation make it possible to qualify for 20% of the final grade for this evidence. Active and participatory attendance during the sessions will be taken into account. The teaching staff reserves the right to request a written exercise on the seminars carried out. If any student cannot attend the minimum number of seminars requested, even for justified reasons, they will be entitled to recovery with compensatory work proposed by the teachers according to the seminars of interest.

D) Single assessment: For students who properly request the single assessment, EV1 (60 minutes) and EV2 (90 minutes) are proposed on the same day and continuously and simultaneously to the rest of the students on the day of the final assessment of the subject. The percentages will be the same as the continuous assessment. These students must follow the subject program and attend the seminars as well. EV3 (20%) will be assessed by means of a paper or a case analysis which must be handed the day of the exam. THE UNIQUE EVALUATION IS REQUESTED TELEMATICALLY (E-FORM) IN THE SPECIFIC PERIOD (more information on the Faculty's website).

E) Return: grades will be notified via virtual campus.

F) Retake: if you do not attend the retake, the grade on your transcript will be 4.5.

The delivery of the translation of the face-to-face assessment tests will be carried out if the requirements established in article 263 are met and your request is made in week 4 electronically (e-form) (more information on the faculty's website).

AI use:

Model 2 - Restricted use: "For this subject, the use of Artificial Intelligence (AI) technologies is allowed exclusively in [support tasks, such as bibliographic or information search, text correction or translations ... (other?) ...], [xxx activities] [other specific situations in which it is considered]. The student will have to clearly identify which parts have been generated with this technology, specify the tools used and include a critical reflection on how these have influenced the process and the final result of the activity. The lack of transparency of the use of AI in this assessable activity will be considered a lack of academic honesty and may lead to a partial or total penalty in the grade of the activity, or greater sanctions in cases of seriousness."

Bibliography

Complementary readings:

Behrman, Alison, i Haskell, John (Eds.). (2013). *Exercises for voice therapy*. Plural Pub.

Cobeta, Ignacio, Núñez, Faustino, i Fernández, Secundino (2013). *Patología de la voz*. Ponencia Oficial de la Sociedad Española de Otorrinolaringología y patología Cérvico-facial 2013

Gallena, Sally K. (2007). *Voice and laryngeal disorders: A problem-based clinical guide with voice samples*. Elsevier Health Sciences.

Heuillet--Martin, Geneviève (2003). *Una voz para todos* (Volums I i II) Marsella. Solal

Le Huche, François i Allali, André (2004). *La voz* (Volums I, II, III i IV) Barcelona. Masson

Stemple, Joseph C., i Hapner, Edie R. (2014). *Voice Therapy: Clinical Case Studies*. Plural Publishing.

Stewart, Celia F., Kling, Irene F., i Allen, Elisabeth L. (2015). *Voice Rehabilitation: Testing Hypotheses and Reframing Therapy*. Jones & Bartlett Publishers.

Vila, Josep Maria (2009). *Guía de intervención logopédica en la disfonía infantil* Madrid. Síntesis

Wicklund, Karen (2010). *Singing Voice Rehabilitation: A Guide for the Voice Teacher and Speech-Language Pathologist: A Guide for the Voice Teacher and Speech-language Pathologist*. Cengage Learning.

Software

We will use an informatic program to edit audio files: PRAAT, it is free.

Groups and Languages

Please note that this information is provisional until 30 November 2025. You can check it through this [link](#). To consult the language you will need to enter the CODE of the subject.

Name	Group	Language	Semester	Turn
(SEM) Seminars	111	Catalan	second semester	morning-mixed
(SEM) Seminars	112	Catalan	second semester	morning-mixed
(SEM) Seminars	113	Catalan	second semester	morning-mixed
(TE) Theory	1	Catalan	second semester	morning-mixed