llogo1326

2026

Introduction to hearing and visual impairments

4.00 credits	45.0 h	Q1

Teacher(s)	Grégoire Anaïs (coordinator) ;Hemptinne Coralie ;Houssa Marine ;Wathour Justine ;
Language :	French
Place of the course	Louvain-la-Neuve
Main themes	Tonal and vocal audiometry, central auditory tests. Impedancemetry. Otoemissions and short description of evoked auditory potential. Clinical presentation of auditory deficiencies. Participation in otological consultations.
Learning outcomes	**At the end of this learning unit, the student is able to :** 1 To learn methods of investigation in hearing. Physiopathology of pathologies of the ear and auditory paths. Medical, surgical and audioprosthetic treatment of deafness.
Evaluation methods	MCQ and / or short open questions (depending on the number of registrants)
Teaching methods	Oral lessons, based on a powerpoint file, shared with students on Moodle and / or Teams; video or remote testimonials from patients. Possibility of participating in medical consultations on request.
Content	Auditory and vestibular deficit: Tonal and vocal audiometry, central auditory tests, impedancemetry, otoemissions and short description of evoked auditory potential. Description and clinical presentation of auditory and vestibular deficiencies, pathology of the outer, middle and inner ear. Medical, surgical and prosthetic treatment of different kinds of deafness and pathology of the auditory paths. Video presentation of a clinical otological examination and surgical otological procedures. Participation in otological consultations. Visual deficit: The frequent visual disorders relevant for speech therapist will be presented. Their treatments will be discussed. Functional and organic amblyopia. Refraction and media troubles. Strabismus. Nystagmus. Deficiencies of color vision. Pathologies of central visual field. Pathologies of peripheric visual field. Lesions of anterior and posterior visual pathways. Lesions of pathways involved in the reconstruction of visual image: parieto-occipital and temporo-occipital. Deficiencies of eye movements: oculomotor alignment and eye movements.
Other infos	Prerequisites : Anatomy and physiology of hearing. Assessment : Written examination. Support : Slides. Supervision : Lecturers accessible at class time.
Faculty or entity in charge	ELOG

Programmes containing this learning unit (UE)

Program title	Acronym	Credits	Prerequisite	Learning outcomes
Bachelor in Psychology and Education : Speech and Language Therapy	LOGO1BA	4		