



4.00 credits

30.0 h

Q1

|                     |   |
|---------------------|---|
| Teacher(s)          | Vannuscorps Gilles ;  |
| Language :          | French  |
| Place of the course | Louvain-la-Neuve  |
| Learning outcomes   |   |
| Evaluation methods  | The course evaluation aims to assess the achievement of the intended learning outcomes. This assessment will be carried out through an examination consisting of open-ended questions. The language of assessment is French. As long as the COVID-19-related health situation allows, both the first and second session exams will be written and conducted in person. If the health situation does not permit the organization of an in-person exam, then a remote oral examination will be arranged.  |
| Teaching methods    | In-person lectures as long as the COVID-19-related health situation allows.<br>If the health situation does not permit in-person classes, then the course will be conducted online.   |
| Content             | <p><b>1. The Organs and Peripheral Mechanisms Involved in Speech and Their Disorders</b></p> <ul style="list-style-type: none"> <li>• Introduction to the anatomophysiology of the orofacial sphere, including its developmental aspects.</li> <li>• Introduction to the main disorders of the orofacial sphere, their diagnosis, and management: functional and organic dyslalias, facial clefts, tubal dysfunction, mouth breathing, infantile swallowing, dysfunctional aspects of orthodontic disorders.</li> </ul> <p><b>2. The Central Mechanisms Involved in Speech and Their Disorders</b></p> <ul style="list-style-type: none"> <li>• Functional neuroanatomy of speech motor control: cranial nerves, cortical, cerebellar, and subcortical structures involved in speech.</li> <li>• Neurocognitive modeling of the mechanisms involved in speech production: the DIVA model.</li> <li>• Introduction to dysarthrias (a topic that will be further explored in the course LLOGO2142).</li> </ul> <p><b>OBJECTIVES</b></p> <p>By the end of the course, the student will have acquired an excellent understanding of central and peripheral mechanisms that allow articulation of words, including control mechanisms, error detection and correction, and adaptation to physiological changes in the phonatory apparatus (related, for example, to development or aging). The student should be able, for example, to describe how a child acquires the ability to pronounce a syllable (e.g., /pa/) and which areas of the brain, cranial nerves, and muscles are involved in its articulation.</p> <p>The student will also be able to use this knowledge to understand, prevent, diagnose, and effectively manage speech disorders resulting from peripheral (e.g., functional and organic dyslalias) and central disorders (dysarthrias).</p> |
| Other infos         | <p>The course is given in French, but a set of English slides is available for international students:</p> <ul style="list-style-type: none"> <li>• no</li> </ul> <p>The core reading for the course is in French, but equivalent core reading is available for international students in English</p> <ul style="list-style-type: none"> <li>• no</li> </ul> <p>The standard exam is a written exam in French. However, international students taking this course:</p> <ul style="list-style-type: none"> <li>• Will be allowed to use a dictionary when taking the written exam in French:<br/>no</li> <li>• Will be allowed 33% more time when taking the written exam in French:<br/>yes</li> <li>• Are provided with the opportunity to take the written exam in English:<br/>no</li> <li>• Are provided with the opportunity to take an alternative oral exam in English :<br/>no</li> </ul>   |

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| Faculty or entity in charge | ELOG |
|-----------------------------|------|

| <b>Programmes containing this learning unit (UE)</b>               |         |         |              |   |
|--|---------|---------|--------------|---|
| Program title  | Acronym | Credits | Prerequisite | Learning outcomes   |
| Master [120] in Speech and Language Therapy                        | LOGO2M  | 4       |              |  |
| Bachelor in Psychology and Education : Speech and Language Therapy | LOGO1BA | 4       |              |  |