

Due to the COVID-19 crisis, the information below is subject to change, in particular that concerning the teaching mode (presential, distance or in a comodal or hybrid format).

4 credits	30.0 h	Q2
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Teacher(s)	Edwards Martin ;
Language :	English
Place of the course	Louvain-la-Neuve
Main themes	<p>The course will cover the following topics:</p> <ul style="list-style-type: none"> - Brain plasticity - The contribution of neuroscientific and other technologies for the diagnosis of neuropsychological deficits - The contribution of neuroscientific and other technologies to assist rehabilitation of neuropsychological deficits - The contribution of neuroscientific and other technologies to measure the effectiveness of neuropsychological interventions. <p>The specific cognitive domain covered will depend on the teacher's expertise.</p>
Aims	<p>At the end of this teaching unit, the student will be able to:</p> <ul style="list-style-type: none"> - Complement her/his clinical analysis of an individual with neuroscientific data (A1 and A2) - Assess the effectiveness of neuropsychological interventions on the basis of neuroscientific data (E2) - Understand the contribution and limits of different neuroscientific methods and technologies for the diagnosis and rehabilitation of neuropsychological deficits (A1, B1, E1, E2). <p>In addition, the written coursework will allow reinforcing the ability to communicate critical thinking on a neuroscientific topic (C1 and C2).</p> <p>Finally, self-learning opportunities will allow the student to assess and increase his/her professionalism and competences (F1 and F2).</p> <p>-----</p> <p><i>The contribution of this Teaching Unit to the development and command of the skills and learning outcomes of the programme(s) can be accessed at the end of this sheet, in the section entitled "Programmes/courses offering this Teaching Unit".</i></p>
Evaluation methods	<p>Due to the COVID-19 crisis, the information in this section is particularly likely to change.</p> <p>There are two evaluations of the course. The first evaluation is an individual work of a report regarding the use of neuroscientific methods to enhance clinical patient diagnosis. The second evaluation is group work and the development of a serious game for the purpose of patient diagnosis and reeducation. Both evaluations must have a minimum grade of 10/20.</p>
Teaching methods	<p>Due to the COVID-19 crisis, the information in this section is particularly likely to change.</p> <p>Lectures and practical work</p>
Content	<p>The course will cover the following topics:</p> <ul style="list-style-type: none"> • Modern methods of patient diagnosis • The contribution of neuroscientific techniques to develop a better understanding of neurological diseases and neuropsychological disorders • The contribution of neuroscientific techniques and other technologies to assist in the management of neuropsychological disorders. • The contribution of neuroscientific techniques and other technologies to measure the effectiveness of neuropsychological interventions. • The mechanisms of cerebral plasticity.
Inline resources	The Moodle Platform
Other infos	The course is given in English. The evaluation of the course can be made in English or French.
Faculty or entity in charge	EPSY

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Aims
Master [120] in Psychology	PSY2M	4		