

3.0 credits	30.0 h	2q
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Teacher(s) :	Mouraux André ; Olivier Etienne (coordinator) ; Vandermeeren Yves ;
Language :	Français
Place of the course	Louvain-la-Neuve
Main themes :	Key topics to meet these objectives. The description of the neurophysiological basis of pain perception. Nervous mechanisms and functioning of inter-hemispheric interactions and their role in motor control. The main mechanisms of nervous motor control areas by frontal and parietal cortex. The neurophysiological basis of memory and learning. The description of the phenomenon of plasticity in the central nervous system and their mechanisms.
Aims :	At the end of this entity of education, students should be able to understand the foundations of science in neuroscience through the study of nervous mechanisms particularly suited to the neurological rehabilitation. It should also be able to undertake the critical reading of a scientific article published in the field of neuroscience. <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>
Content :	students should be able to understand the foundations of science in neuroscience through the study of nervous mechanisms particularly suited to the neurological rehabilitation. It should also be able to undertake the critical reading of a scientific article published in the field of neuroscience. Key topics to meet these objectives. The description of the neurophysiological basis of pain perception. Nervous mechanisms and functioning of inter-hemispheric interactions and their role in motor control. The main mechanisms of nervous motor control areas by frontal and parietal cortex. The neurophysiological basis of memory and learning. The description of the phenomenon of plasticity in the central nervous system and their mechanisms.
Other infos :	Prerequisites: Courses of Physiology and Neurophysiology (LAC 12) Evaluation: Oral examination Support: Syllabus and / or book (s) Framing: Holder (s)
Cycle and year of study :	> Bachelor in Physiotherapy and Rehabilitation > Preparatory year for Master in Physiotherapy and Rehabilitation and for Master in Motor Skills: General > Bachelor in Psychology and Education : Speech and Language Therapy
Faculty or entity in charge:	FSM