


In view of the health context linked to the spread of the coronavirus, the methods of organisation and evaluation of the learning units could be adapted in different situations; these possible new methods have been - or will be - communicated by the teachers to the students.

3 credits	30.0 h	Q1
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Teacher(s)	Clotman Frédéric ;Gailly Philippe ;Kienlen-Campard Pascal (coordinator) ;
Language :	French
Place of the course	Bruxelles Woluwe
Prerequisites	Neuroscience Course WSBIM1220 <i>The prerequisite(s) for this Teaching Unit (Unité d'enseignement – UE) for the programmes/courses that offer this Teaching Unit are specified at the end of this sheet.</i>
Main themes	- Pain - Memory ' Biological rhythms
Aims	<p>At the end of the course, the student will be able to:</p> <ol style="list-style-type: none"> 1. Describe the different forms of memory. 2. Describe the structures involved in encoding and storing memory. 3. Explain the cellular and molecular pre- and post-synaptic mechanisms of different forms of synaptic plasticity. 4. Define and explain different notions related to pain. 5. Explain pathways and mechanisms of activation and modulation of pain pathways. 6. Describe the consequences and mechanisms of alterations in pain pathways, and their measurements in humans and animals. 7. Describe the different treatments for pain and their mechanisms of action. 8. Define the concept of rhythm at the level of the neuron and the nervous system. 9. Explain the molecular mechanisms and neural pathways that control the circadian clock. 10. Describe the structures involved in waking-sleep patterns and explain the mechanisms associated with sleep disorders. <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>
Faculty or entity in charge	SBIM

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Aims
Bachelor in Biomedicine	SBIM1BA	3	WMD1120 AND WMD1006 AND WSBIM1201T AND WSBIM1201P AND WSBIM1220	
Additional module in Biomedical Sciences	WSBIM100P	3		