

3.0 credits	30.0 h	1q
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Teacher(s) :	Francaux Marc (coordinator) ; Heglund Norman ;
Language :	Français
Place of the course	Louvain-la-Neuve
Main themes :	Cell function is approached as a thermodynamic system exchanging matter and energy with its environment. The main topics include: the physical/chemical laws governing these exchanges, the signals allowing the exchange of information between and within cells, the mechanism of muscular contraction, models of muscular contraction, and the functioning of the immune system.
Aims :	<p>At the end of this course, the student will understand the principle structures and functions in common to all eukaryotic cells. In addition, the specialized functions of striated muscle cells will be studied in detail. The basic mechanisms of immune system will also be covered.</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>
Content :	Human cell physiology, with emphasis on muscle structure, function and models.
Other infos :	Evaluation: written or oral exams with elements of continuous evaluation Support materials: course outline, iCampus, handouts and a textbook Supervision: professors and assistants
Cycle and year of study :	> Bachelor in Engineering > Bachelor in Motor skills : General > Preparatory year for Master in Motor Skills: Physical Education > Preparatory year for Master in Physiotherapy and Rehabilitation and for Master in Motor Skills: General > Bachelor in Computer Science > Bachelor in Mathematics > Bachelor in Physiotherapy and Rehabilitation
Faculty or entity in charge:	FSM