UCLouvain

liepr1021

2020

Cellular physiology

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).

3 credits	30.0 h	Q1

Teacher(s)	Francaux Marc ;
Language :	French
Place of the course	Louvain-la-Neuve
Prerequisites	*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.*
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	1 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. - - - - *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".*
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
Faculty or entity in charge	FSM

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Aims
Bachelor in Physiotherapy and Rehabilitation	KINE1BA	3	LIEPR1001 AND LIEPR1004	
Bachelor in Motor skills : General	EDPH1BA	3	LIEPR1004	