


8.00 credits

75.0 h + 7.5 h

Q2

Teacher(s)	Brichard Sonia ;Francaux Marc (coordinator) ;Larondelle Yvan ;
Language :	French
Place of the course	Louvain-la-Neuve
Prerequisites	<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	The main subjects to meet these objectives will be: - The basics of nutritional homeostasis in humans, the regulation of weight, energy food, needs analysis in macro-and micronutrients (vitamins, ions, ...), - Water balance and regulation of appetite, - Adaptation of nutrition in human physical activity, balanced nutrition and exercise to aid ergogéniques. specific performance - Metabolic pathways to energy supply during exercise, their participation on the supply and their modes of activation - Mechanisms of protein synthesis and their involvement in the phenomenon of training - The cardio-circulatory adaptation to physical exercise, physical activity and sports in particular environments such as altitude, hyperbaric conditions or heat stress.
Learning outcomes	At the end of this learning unit, the student is able to : At the end of this entity of education, the student will be able to explain the functioning of the body of a person engaged in healthy physical activities and sports of all kinds, in all types of environments. It will include specifically the mechanisms underlying the energy expenditure during exercise since the food supply of substrates to cellular metabolic pathways, as well as system restore energy, anabolism and maintenance of biological structures sought . 1
Other infos	Rating: Review written or oral and / or elements of continuous assessment Support: syllabus and / or book (s) Framing: Holder (s)
Faculty or entity in charge	FSM

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Bachelor in Motor skills : General	EDPH1BA	8	LIEPR1001 AND LIEPR1004 AND LIEPR1021	
Bachelor in Physiotherapy and Rehabilitation	KINE1BA	8	LIEPR1021 AND LIEPR1022 AND LIEPR1001 AND LIEPR1004	