


4.00 credits	37.5 h	Q2
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Teacher(s)	Tajeddine Nicolas ;
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 organ systems studied are: circulation, respiration, renal, digestive and reproductive.
Learning outcomes	<p>At the end of this learning unit, the student is able to :</p> <p>1 At the end of this course, the student will understand the functions of the principle healthy human organ systems, except for the central nervous system.</p>
Content	<p>On the basis of the prerequisites taught in anatomy, cell biology and cell physiology, the physiology of the different human constitutive systems (cardiorespiratory, digestive, endocrine, urinary, reproduction and immunity) will be studied. We will focus on the mechanisms of information transmission as well as the mechanisms controlling the homeostasis of the internal environment. Understanding how these systems work will serve as a basis for studying the physiology of exercise and preventing illness through physical activity.</p> <p>The focus will be on adapting the systems during the exercise. We will also explain the pathophysiological bases of certain diseases in the context of a curriculum in physical education and physiotherapy (ischemic heart disease, heart failure, arrhythmias, respiratory failure, obstructive bronchopneumopathies, asthma, ...).</p>
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	Learning outcomes
Bachelor in Motor skills : General	EDPH1BA	4	LFSM1101 AND LFSM1104	
Bachelor in Physiotherapy and Rehabilitation	KINE1BA	4	LFSM1101 AND LFSM1104	