



4 credits

37.5 h

Q2

| | |
|-----------------------------|--|
| 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. |
| Aims | <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> <p>-----</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 | <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 | Aims |
|--|-------------------------|---------|---|---|
| Bachelor in Physiotherapy and Rehabilitation | KINE1BA | 4 | LIEPR1001 AND LIEPR1004 |  |
| Bachelor in Motor skills : General | EDPH1BA | 4 | LIEPR1001 AND LIEPR1004 |  |