

In view of the health context linked to the spread of the coronavirus, the methods of organisation and evaluation of the learning units could be adapted in different situations; these possible new methods have been - or will be - communicated by the teachers to the students.

4 credits

40.0 h

Q1

Teacher(s)	Feron Olivier ;Gilon Patrick (coordinator) ;
Language :	French
Place of the course	Bruxelles Woluwe
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	Cells and living beings are thermodynamic open systems, and exchange matter and energy with their environment. General physiology study cell homeostasis, the mechanisms regulating the exchanges between cells, and the interactions between cells and their environment.
Aims	<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>
Evaluation methods	Due to the COVID-19 crisis, the information in this section is particularly likely to change. Questions requiring short-open-responses (possibly involving diagrams/schemes to be built or completed) or longer motivated responses.
Teaching methods	Due to the COVID-19 crisis, the information in this section is particularly likely to change. Lectures (slide projection). Flipped classroom for some parts of the course.
Content	Comprehensive outline of cell homeostasis and of the mechanisms regulating the exchanges of substances and information with the environment; intercellular communications (electrical and chemical transmission); contractile properties and excitation-contraction coupling in the different types of muscles; thermoregulation and metabolism. Practical courses are intended to provide students with an initiation into experimentation in physiology.
Inline resources	All the documents projected during the courses are accessible on UCL's Moodle website.
Other infos	Written exam with open questions. Continuous evaluation of the practical courses. Pre-requirements : basic knowledge in chemistry, physics, biochemistry.
Faculty or entity in charge	SBIM

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Aims
Bachelor in Biomedicine	SBIM1BA	4	WMD1006 AND WMD1102 AND WMD1104 AND WMD1105	