

4.00 credits	40.0 h	Q1
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Teacher(s)	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.
Learning outcomes	
Evaluation methods	Questions requiring short-open-responses (possibly involving diagrams/schemes to be built or completed) or longer motivated responses.
Teaching methods	Flipped classroom. Courses are made available in the form of syllabi, slides or podcasts (video from ppt files). They are given face-to-face on the dates published on student portals (ADE) unless the health status requires the resumption of remote courses (e.g. via Teams, on dates announced on Moodle).
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. Practical courses are intended to provide students with an initiation into experimentation in physiology.
Inline resources	Podcasts, syllabi and ppt files are accessible via Moodle.
Other infos	Participation in tutorials and practice sessions is mandatory to validate the teaching unit (TU). Any unjustified deviation from this rule leads to a penalty in the TU exam which can go as far as the cancellation of the exam mark (0/20). The teacher may also propose to the jury to oppose the registration for the TU exam in compliance with article 72 of the RGEE.
Faculty or entity in charge	SBIM

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Bachelor in Biomedicine	SBIM1BA	4	WMD1120 AND WMD1006 AND WMD1102 AND WMD1104	