


5.00 credits

45.0 h

Q2

Teacher(s)	Behets Wydemans Catherine ;Henriet Patrick ;
Language :	French
Place of the course	Louvain-la-Neuve
Main themes	<ul style="list-style-type: none"> <li>• Characteristics common to all living beings</li> <li>• The human cell, its functioning and its division</li> <li>• Classical, evolutionary and molecular genetics</li> <li>• The cellular bases of sexual reproduction</li> <li>• The different cell types and their organization into tissues (epithelia, connective tissues, blood tissue, muscle tissue, nervous tissue)</li> <li>• The main stages of human embryonic development.</li> </ul>
Learning outcomes	<p><b>At the end of this learning unit, the student is able to :</b></p> <ul style="list-style-type: none"> <li>• Demonstrate knowledge and understanding of the foundations of the uniqueness and diversity of the living world (2.1, 11.1 Kiné / 9.1 EP)</li> <li>• Demonstrate knowledge and understanding of the structure and functioning of the cell and the human genome (2.1, 11.1 Kiné / 9.1 EP)</li> <li>1 • Describe and explain the mechanisms of cell division and the bases of embryonic development (2.1, 11.1 Physio / 9.1 EP)</li> <li>• Describe and explain the structure of the main types of human tissue, including particularities relating to movement. (2.1, 11.1, 11.2 Kiné/ 9.1 and 9.2 EP)</li> </ul>
Evaluation methods	Assessment: 2-hour written exam. The distribution between the two parts of the course is as follows: 10 points for biology (P. Henriet part) and 10 points for histology (C. Behets part).
Teaching methods	Masterful, for a large audience
Content	<p>(auteurs - titulaires actuels) : P. Henriet and C. Behets Wydemans</p> <p><b>Biology (P. Henriet):</b></p> <p>1. UNICITY IN THE LIVING WORLD 2. THE HUMAN CELL 3. DIVERSITY IN THE LIVING WORLD 4. MOLECULAR GENETICS 5. CELL DIVISION 6. GAMETOGENESIS AND FERTILIZATION 7. INTRODUCTION TO HUMAN EMBRYOLOGY</p> <p><b>Histology (C. Behets Wydemans):</b></p> <p>1. EPITHELIAL TISSUE 2. CONNECTIVE TISSUE 3. BLOOD TISSUE 4. MUSCLE TISSUE 5. NERVE TISSUE 2.6.0.0</p>
Other infos	<p>The Biology part is based on the LFSM1104 General Chemistry and Biomolecules course.</p> <p>Course materials: Syllabus and Powerpoints projected during classes.</p> <p>This course is reserved for FSM students. Its access is possible to other UCLouvain students on the basis of a file to be given to the course coordinator.</p>
Faculty or entity in charge	FSM

<b>Programmes containing this learning unit (UE)</b>				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Bachelor in Motor skills : General	EDPH1BA	5		
Bachelor in Physiotherapy and Rehabilitation	KINE1BA	5		