

3.00 credits

30.0 h + 10.0 h

Q1

Teacher(s)	De Smet Charles ;Lemaigre Frédéric ;Michiels Thomas (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>
Learning outcomes	
Evaluation methods	<p>Written exam comprising multiple choice questions, open-ended questions and/or exercices in which students will be evaluated on their capacity to implement their knowledge.</p> <p>Results of tests performed during tutorial classes may contribute as a bonus to the final mark if this mark is min 9/20 before bonus addition.</p> <p>The examination will consist of two parts (molecular biology and epigenetics) each of which will be marked 10 points. If the mark for one of the two parts is equal to or lower than 3.5/10, the exam will be considered as a failure and the global mark will not exceed 9/20, even if the arithmetic sum of the two parts and the bonus reaches 10/20.</p>
Teaching methods	Lectures and tutorial classes (possibly by Teams or life+streaming according to the COVID evolution)
Content	<p>Theoretical courses. In eukaryotes and prokaryotes: structure of DNA, chromatin organisation, DNA replication, gene structure, synthesis of RNAs and proteins, post-translational modifications, epigenetic control of gene expression through modification of histones and DNA.</p> <p>During tutorial classes, an introduction is given to the analysis and use of DNA and RNA sequences and on the use of softwares for such analyses.</p>
Inline resources	Files with informations, exercices and with slides presented in the course are available on MoodleUCL (https://moodleucl.uclouvain.be/).
Faculty or entity in charge	FASB

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Bachelor in Biomedicine	SBIM1BA	3	WMD1120 AND WMD1106	