

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	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. 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. The exam will include two parts, each marked on 10 points.
Teaching methods	Lectures and tutorial classes (possibly by Teams or life+streaming according to the COVID evolution)
Content	Theoretical courses. In eucaryotes and procaryotes: 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. 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.
Inline resources	Files with informations, exercices and with slides presented in the course are available on MoodleUCL ( <a href="https://moodleucl.uclouvain.be/">https://moodleucl.uclouvain.be/</a> ).
Faculty or entity in charge	FASB

<b>Programmes containing this learning unit (UE)</b>				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Bachelor in Biomedicine	SBIM1BA	3	WMD1120 AND WMD1006 AND WMD1106	