

3.00 credits

20.0 h + 15.0 h

Q1

Teacher(s)	Michiels Thomas ;
Language :	French
Place of the course	Bruxelles Woluwe
Prerequisites	

Teaching methods	Lectures and tutorial classes (possibly by Teams or live+streaming in case of problem). Practicals are organized in the framework of this course. Attendance to the practical is mandatory to validate the course.
Content	Introduction to the world of viruses and bacteria. Topics include : - structure and organization of typical bacteria (Gram+ or Gram-) - bases of bacterial functioning (compartmentalization, transport, energy) - nature, functioning, and evolution of bacterial (and bacteriophage) genomes - DNA transfer within the bacterial cell and between bacteria - principles of antibiotics activity, and development of antibiotic resistance - structure, organization and mode of replication of viruses that infect eucaryotic cells - functioning of viruses and consequences of the infection, based on selected examples
Inline resources	Files with informations, exercices and with slides presented in the course are available on MoodleUCL (https://moodleucl.uclouvain.be/).
Bibliography	Syllabus (texte + illustrations présentées au cours), disponible sur Moodle Prescott, L. M., Harley, J. P. & D. A. Klein. Microbiologie. Bruxelles : De Boeck
Other infos	For students who can not document a previous attendance to equivalent practicals in Microbiology, attendance is mandatory. In cas of absence to the practicals, the global mark for the course (including the theoretical part) will be set to 0/20 for the entire academic year.
Faculty or entity in charge	FARM

Programmes contenant this learning unit (UE)

Program title	Acronym	Credits
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