UCLouvain

wsbim1303t

2022

Workshop on experimental strategy in cellular and molecular biology (theory)

3.00 credits	30.0 h	Q1

Teacher(s)	Bertrand Luc ;Kienlen-Campard Pascal (coordinator) ;
Language :	French > English-friendly
Place of the course	Bruxelles Woluwe
Prerequisites	*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.*
Main themes	Some experimental strategies, based on a well-defined system, and that gave rise to major breakthroughs in cellular and molecular biology are exposed and discussed. The key experiments will are detailed. Students (in small groups) further elaborate experimental strategies for specific problems: -first, the teacher proposes selected problems in the field of molecular and cellular biology and provides the students with useful informations to elaborate an experimental strategy; -the students propose experimental models and approaches that need to be validated by the teacher; -these experimental approaches are tested and the results obtained are analysed and discussed in the light of published work. -finally, the students present the result of their work to their colleagues and teachers.
Learning outcomes	
Evaluation methods	Assessment in the form of a written examination. The final grade is the weighted average of the grades obtained in the three parts of the course.
Teaching methods	A lecture course describing three areas of research in the biomedical sciences through information extracted from reference publications in each of these areas. The experimental methodologies used to test a hypothesis in these fields of research will be discussed to understand their basis and how they are implemented.
Content	All relevant course descriptions are provided on the WSBIM1303 course link.
Inline resources	Resources are available on the moodle website of the course
Other infos	Online resources are available to registered students on the course moodle site (WSBIM1303)
Faculty or entity in charge	SBIM

Programmes containing this learning unit (UE)

Program title	Acronym	Credits	Prerequisite	Learning outcomes
Bachelor in Biomedicine	SBIM1BA	3	WFARM1221S AND WSBIM1226 AND WSBIM1227 AND WMDS1230 AND WSBIM1293 AND WFARM1282 AND WSBIM1201T AND WSBIM1200	