UCLouvain

lbir1151

2018

6 credits	30.0 h + 30.0 h	Q2

Teacher(s)	Lobet Guillaume ;Rees Jean-François coordinator ;
Language :	French
Place of the course	Louvain-la-Neuve
Aims	*The contribution of this Teaching Unit to the development and command of the skills and learning outcomes of the programme(s) can be accessed at the end of this sheet, in the section entitled "Programmes/courses offering this Teaching Unit".*
Evaluation methods	Continuous assessment (online quizzes, certified tests, lab reports). Upon successful completion of all parties, the student is exempt from the final exam.
Teaching methods	Animal biology part: The course is organized according to the mode of the flipped classroom. Students take courses online, and knowledge sessions are held in the audience. Plant biology part: Lectures in amphitheater. Workshops organized on the problem-based learning mode lead the student to solve animal biology problems in a team, using microscopic analysis and computer tools (Cytomine).
Content	The course Biology of the organisms follows the biology course of the cell. In this course the principles of organization and mechanisms of development of the multicellular organism are discussed (ie how autonomous cells cooperate in harmony within the organism). The peculiarities of animal and plant development are analyzed in detail and exploited to illustrate how different organizational scales, those of the cell and the organism, have appeared during evolution and emerge during the development of the embryo. At the end of the course LBIR1151, the student will be able to: To construct an overview of the world of plants, considering both the characteristics that these organisms have in common and their diversity, both morphologically and biologically. To construct an overview of the world of animals, considering both the characteristics that these organisms have in common and their diversity, both morphologically and biologically. Learning outcomes of the activity contribute to the competency framework of the program for the following points: 1.1, 1.4 and 1.5. The contribution of this EU to the development and mastery of skills and acquired program (s) is available at the end of this sheet, in the part "Programs / training offering this unit of education (EU)".
Faculty or entity in charge	AGRO

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Aims
Bachelor in Bioengineering	BIR1BA	6		🔍