


6.00 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
Learning outcomes	
Evaluation methods	<p>Overall mark : The overall mark is composed of three modules: the animal biology part (45%), the plant biology part (45%) and the BioGO part (10%)</p> <p>Animal biology part: Continuous assessment (online quizzes, assignments, auditorium certification tests, practical work reports). If all parts are passed (mark equal to or higher than 10/20 for each part, pass the auditorium certification tests; if one of the marks for one of the parts (online quiz, group work, practical work BUT NOT THE AUDITORIAL CERTIFICATE TESTS) is lower than 10, an average mark of 15/20 compensates for this weakness), the student is exempted from the final exam In case of a final exam, the grade is the average of the grade of the other activities and the grade of the exam.</p> <p>Plant biology part: By default, your exam grade will be the grade of the continuous assessment during the quadrennium (composed of online quizzes, assignments, in-auditorium certification tests, practical work reports). It is possible, on a voluntary basis, to take the exam to improve this grade. In case of a final exam, the grade is the average of the grade of the other activities and the grade of the exam.</p> <p>BioGO part BioGO is a practical work module carried out jointly by the plant and animal parts. It is a big treasure hunt of animal and plant structures in Louvain-la-Neuve and its surroundings, which is spread over several weeks. Participation in this part is compulsory to obtain a final grade.</p>
Teaching methods	<p>Animal biology part: The course is organised as a flipped classroom. Students follow the course online, and knowledge use sessions are organised in the auditorium.</p> <p>Plant biology part: The course is organised as a flipped classroom. Students follow the course online, and knowledge use sessions are organised in the auditorium.</p> <p>Practical work Practical work organised on the basis of problem-based learning leads the student to solve animal and plant biology problems in teams, using microscopic analysis and computer tools (Cytomine).</p>
Content	<p>The course <i>Biology of the organisms</i> 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.</p> <p>At the end of the course LBIR1151, the student will be able to:</p> <ul style="list-style-type: none"> 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. <p>Learning outcomes of the activity contribute to the competency framework of the program for the following points: 1.1, 1.4 and 1.5.</p> <p>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)".</p>
Faculty or entity in charge	AGRO

Programmes containing this learning unit (UE)

Program title	Acronym	Credits	Prerequisite	Learning outcomes
Minor in Development and Environment	MINDENV	6		
Bachelor in Bioengineering	BIR1BA	6		