

4.00 credits

15.0 h + 35.0 h

Q2

Teacher(s)	Dumont Patrick ;Gofflot Françoise ;
Language :	French
Place of the course	Louvain-la-Neuve
Prerequisites	To follow this course, it is necessary to master the knowledge and skills developed in the integrated animal biology courses: LBIO1236, LBIO1330, LBIO1333.
Main themes	Examples of themes : - survival strategies of organisms in extreme conditions such as polar temperatures as well as desert, lack of oxygen, of food - endocrine growth control and metabolism - reproduction mechanisms and controls.
Learning outcomes	<p>At the end of this learning unit, the student is able to :</p> <p>1 The content of the course brings students a study of functions that they have not seen in general courses. Emphasis is put on physiology and morphology of animals. In this context students will particularly pay attention to comparison of solutions brought by different animal groups. Students present a personal work (written and oral presentation) in which they develop a subject chosen in accordance with teachers and discussed with other participants of the course. Seminars (criticism of articles) during the year will allow the student to build up his knowledge in the particular field of study.</p>
Evaluation methods	Oral presentations of the themes developed by the different groups of students.
Teaching methods	<p>In the implemented method, the students will present a personal work in which they will develop a topic on one of the topics chosen in consultation with the course holders. They will ensure a clear and concise presentation of the topic studied in the form of an oral presentation (with or without written support). The work will be presented in the form of seminars.</p> <p>The goal is for students to be involved in their learning. Based on subjects of comparative animal physiology that they propose themselves, they go through the quadrimester working on the preparation of a work, which can be seen as a course chapter. At the end of the quadrimester, all the works are put together in a 'syllabus' and the groups present their work orally to others.</p> <p>The originality compared to other group work is to advance on the basis of a collective work. After a first session of introduction and discussion, the other "courses" are animated by the students in the presence of the holders. In turn, the groups take the floor to present the state of progress (1- choice of subject and definition of the framework, 2- work on the plan and structure of the work, first research of literature, 3- state of research of information in textbooks and literature, 4 and the following: construction of work). All participants intervene to contribute to the progress of the project.</p>
Content	<p>The content of the course brings students a study of functions that they have not seen in general courses. Emphasis is put on physiology and morphology of animals. In this context students will particularly pay attention to comparison of solutions brought by different animal groups. Students present a personal work (written and oral presentation) in which they develop a subject chosen in accordance with teachers and discussed with other participants of the course. Seminars (criticism of articles) during the year will allow the student to build up his knowledge in the particular field of study.</p> <p>Examples of themes : survival strategies of organisms in extreme conditions such as polar temperatures as well as desert, lack of oxygen, endocrine growth control and metabolism, reproduction mechanisms and controls.</p>
Inline resources	https://moodleucl.uclouvain.be/course/view.php?id=11115
Faculty or entity in charge	SC

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Additionnal module in Biology	APPBIOL	4		