


3.00 credits

10.0 h + 35.0 h

Q2

Teacher(s)	Evans Ruben ;Gofflot Françoise ;Hachez Charles (coordinator) ;Rees Jean-François ;Renoz François ;
Language :	French
Place of the course	Louvain-la-Neuve
Main themes	Students will be assigned to a team responsible for exploring a broad scientific issue, at the crossroads of the disciplines included in their biology curriculum (ecology, physiology, genetics, biochemistry, etc.) and possibly other disciplines (economics, ethics, law, society, etc.). Each team will approach the problem by formulating questions, and after training in documentary research, will research scientific documents to explore current scientific knowledge on their topic. By reading and critically analyzing these documents, they will be able to provide answers to their questions. At the end of this work, each team will write a journal article on its scientific issue (Type Trends in...).
Learning outcomes	<p>At the end of this learning unit, the student is able to :</p> <p>The activity has several objectives.</p> <ol style="list-style-type: none"> 1. Formulate pertinent questions on a given theme. 2. Learn to use online documentary research tools effectively. 3. Analyze the scientific information available on a subject, and critically assess the validity of this information. 4. Acquire new knowledge to deal with a subject 5. Integrate scientific knowledge on an interdisciplinary subject 6. Present scientific content effectively in writing 7. Learn to work in teams
Evaluation methods	<p>During the semester, students are required to defend a preliminary version of their work (detailed plan). This submission will be evaluated and may contribute up to 3 points out of 20, but will only be factored into the final grade if it improves the overall score. A final assessment of the completed work will be conducted at the end of the semester, resulting in a group grade. Students are also encouraged to conduct self-assessments and peer evaluations within their group, which may be used to adjust individual grades based on group performance.</p> <p>If generative AI tools are used, students are required to systematically indicate all parts where AIs have been used, for example in footnotes or Power Point slides where applicable, specifying whether the AI was used to search for information, to write the text or to correct it. In addition, the sources of information used in the text must be systematically cited, in compliance with bibliographic referencing standards. The student remains responsible for the content of his or her work, whatever the sources used.</p> <p>Attendance and participation in group activities is compulsory. In accordance with article 72 of the General Regulations for Studies and Examinations, course instructors may propose to the jury that it refuse to register a student who has not actively participated in group work during the January/June or September session (without providing proof to the instructors).</p>
Teaching methods	Accompanied by a tutor with whom they will meet on a regular basis, participants will work in teams. Some training will be provided in computer rooms (text/document search) according to the schedule communicated during the first course.
Content	<p>Students will work as a team tasked with exploring a broad scientific issue, at the crossroads of the disciplines included in their biology curriculum (ecology, physiology, genetics, biochemistry, etc.) and possibly other disciplines (economics, ethics, law, society, etc.).</p> <p>In addition to group work, training is provided for all students.</p> <ul style="list-style-type: none"> • training in documentary research • training in bibliographic management tools • training in the correct use of Word software • training in reading and writing journal articles • training in the correct use of new tools (e.g. generative AI; Scientific Image and Illustration Software)
Faculty or entity in charge	BIOL

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Additionnal module in Biology	APPBIOL	3		
Minor in Biology	MINBIOL	3		