UCLouvain

lbio1350

2026

Special issues in evolution

2.00 credits	20.0 h + 10.0 h	Q2

Teacher(s)	Baeckens Simon ;Renoz François ;Rezsohazy René ;Soumillion Patrice ;
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 course LBIO1310.
Main themes	The course consists of a series of lectures with the aim to provide students with a deeper understanding deeper understanding of key topics in evolutionary biology. Topics discussed during this course include the evolution of phenotypic plasticity, epigenetics, genetic accommodation, sexual selection, evo-devo, epistemological problems raised by evolutionary theory, as well as the molecular evolution of proteins, and the origin of life.
Learning outcomes	**At the end of this learning unit, the student is able to :** • Understand more complex topics in evolution • Read and understand a recently published article on an evolutionary topic of choice and write a short 'news and views' style article about it.
Evaluation methods	The student will write a "News and Views" type article which will summarize a scientific advance described in a research article and the evaluation of the written work will be followed by an oral discussion.
Teaching methods	Lectures
Content	This teaching unit consists of: • Lectures covering the evolution of phenotypic plasticity, epigenetics, genetic accommodation, sexual selection, evo-devo, human evolution, epistemological problems raised by evolutionary theory, as well as the molecular evolution of proteins, and the origin of life • Writing a 'news and views' article, based on a recently published paper in evolutionary biology
Inline resources	The lecture slideshows will be available on Moodle as well as a list of research articles from which each student will choose an article for their final evaluation work.
Other infos	This course is an extension of LBIO1310, which will be given simultaneously. This course is specifically designed for students with an interest beyond general evolutionary theory. Although a few lectures will be delivered in English, the majority will be in French, and students are welcome to ask questions in French at any time.
Faculty or entity in charge	BIOL

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Additionnal module in Biology	APPBIOL	2		🔍