


2.00 credits

20.0 h + 10.0 h

Q2

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| Teacher(s) | Dehoux Jean-Paul ;Dehoux Jean-Paul (compensates Nieberding Caroline) ;Nieberding Caroline ;Rezsohazy René ;Rezsohazy René (compensates Nieberding Caroline) ;Soumillion Patrice (coordinator) ; |
| 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 | <p>At the end of this learning unit, the student is able to :</p> <ul style="list-style-type: none"> • 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 | <p>This teaching unit consists of:</p> <ul style="list-style-type: none"> • 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. |
| Faculty or entity in charge | BIOL |

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