




2.00 credits

24.0 h

Q1

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| Teacher(s) | Hance Thierry ;Van Dyck Hans ;Wesselingh Renate ; |
| Language : | French |
| Place of the course | Louvain-la-Neuve |
| Main themes | Lectures in class room in three modules : 1. Plant life history traits 2. Population dynamics 3. Basics of evolutionary ecology, and particularly, behavioural ecology. During our lectures we use PowerPoint presentations, but also videos. |
| Aims | Interactions between living organisms determine the dynamic and the structure of living communities. Moreover, they play an essential role in evolutionary process. In terms of knowledge, students will have to understand the principles underlying the modelling of individual interaction. 1 Moreover, they will have to know the theories on coexistence, competition, herbivory, predation, parasitism and coevolution. At the end of the course they should be able to applied their knowledge to new situations. ----- <i>The contribution of this Teaching Unit to the development and command of the skills and learning outcomes of the programme(s) can be accessed at the end of this sheet, in the section entitled "Programmes/courses offering this Teaching Unit".</i> |
| Evaluation methods | Due to the COVID-19 crisis, the information in this section is particularly likely to change. The course will be evaluated with a written exam with open questions. |
| Teaching methods | Due to the COVID-19 crisis, the information in this section is particularly likely to change. Lectures and in-class discussion. |
| Content | Ecological interactions are between two or more species in an ecosystem, but also between two or more individuals within one population. The course consists of three parts : 1. Plant-pollinator interactions, 2. Parasitism and mutualism (host-parasitoid and host-endsymbiont) and 3. Intra- and interspecific communication (mimicry and camouflage, signals in ecological interactions and brood parasitism). |
| Inline resources | Moodle website for LBOE2160 |
| Other infos | The course is given in week 7–9 of the first semester and is part of the teaching module "Ecologie des interactions" of the master BOE. |
| Faculty or entity in charge | BIOL |

| Programmes containing this learning unit (UE) | | | | |
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| Program title | Acronym | Credits | Prerequisite | Aims |
| Master [120] in Geography : General | GEOG2M | 2 | |  |
| Master [120] in Biology of Organisms and Ecology | BOE2M | 2 | |  |
| Master [60] in Biology | BIOL2M1 | 2 | |  |