UCLouvain

lboe2161

2019

In view of the health context linked to the spread of the coronavirus, the methods of organisation and evaluation of the learning units could be adapted in different situations; these possible new methods have been - or will be - communicated by the teachers to the students.

3 credits	24.0 h + 12.0 h	Q1

Teacher(s)	Van Dyck Hans ;
Language :	French
Place of the course	Louvain-la-Neuve
Main themes	1) History of behavioural ecology 2) Major concepts of behavioural ecology 3) Functional and mechanistic aspects of the study of behaviour 4) Theory, applications and discussion about a selection of issues (e.g. Living in group, Fight and assessment, Sexual conflict and sexual selection, Communication and the evolution of signals) 5) Behaviour and conservation biology 6) Behavioural ecology of the human species
Aims	1 Behavioural ecology adopts an evolutionary approach for the study of behaviour; the relationships between behaviour, ecology and evolution are explored in this field of biology. The general objective is to develop a conceptual framework for studying and understanding animal behaviour from an ecological and evolutionary perspective. Students will be trained to formulate and test hypotheses by carefully analyzing and discussing observational and experimental behavioural ecological studies. - - - - *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".*
Evaluation methods	**Due to the COVID-19 crisis, the information in this section is particularly likely to change.** There is a written exam on the theoretical part of the lectures with open questions (comprehension questions). For the practical course, the student has to prepare a report according to our guidelines. The theoretical exam counts for 75% of the final mark, the report for 25%. The student needs to get a sufficient score or mark (10/20 or more) for each part. It will not be tolerated to compensate an insufficient mark on one of the parts by a sufficient mark on the other.
Teaching methods	**Due to the COVID-19 crisis, the information in this section is particularly likely to change.** This teaching unit has two parts. There are lectures based on a series of PowerPoint presentations with frequent discussions with the students. There is also an individual practical part; each student has to prepare a report on a given topic within the field of restoration ecology. The presentations are available on the Moodle website of this teaching unit, as well as the information about the report and a number of scientific papers.
Content	This teaching unit focuses on the analysis and understanding of the approaches of behavioural ecology. The topcis that are covered include: 1) the history of behavioural ecology; 2) basic concepts of behavioural ecology; 3) functional and mechanistic factors explaining animal behaviour; 4) theory, applications and discussion of the approaches in this field applied to a selection of topics (p.ex. living in group, fights and evaluation - sexual conflict and sexual selection, communication and evalution of signals); and 5) behaviour and conservation.
Inline resources	Moodle website
Faculty or entity in charge	BIOL

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Aims
Master [60] in Biology	BIOL2M1	3		🔍
Master [120] in Biology of Organisms and Ecology	BOE2M	3		🔍