

Due to the COVID-19 crisis, the information below is subject to change, in particular that concerning the teaching mode (presential, distance or in a comodal or hybrid format).


2 credits

30.0 h

Q1

Teacher(s)	Nieberding Caroline ;Wesselingh Renate ;
Language :	English
Place of the course	Louvain-la-Neuve
Prerequisites	<i>The prerequisite(s) for this Teaching Unit (Unité d'enseignement – UE) for the programmes/courses that offer this Teaching Unit are specified at the end of this sheet.</i>
Main themes	In this advanced ecology course we cover aspects of individual and population ecology that are important in adaptation and evolution, such as ecophysiology, phenotypic plasticity, dispersal and life history variation.
Aims	<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. Written examen with open questions, a separate part for each lecturer. A score of at least 7/20 for each part of the exam is needed in order to pass the course. If a passing score (10/20 or more) was obtained for one of the two parts of the exam, a student can ask for this grade to be maintained for the next exam by writing to the lecturer responsible for this score.
Teaching methods	Due to the COVID-19 crisis, the information in this section is particularly likely to change. Theoretical course with lectures.
Content	In this advanced ecology course, we treat aspects of individual and population ecology that are important for adaptation: fitness and trade-offs between phenotypic traits, notably life-history traits, the role of phenotypic plasticity in adaptation, the importance of behaviour, especially learning behaviour, in local adaptation. We will discuss experimental studies to illustrate the collection and analysis of data in functional ecology.
Inline resources	The contents of the course and announcements are available on Moodle: LBIO1317 on Moodle
Bibliography	S.A Levin et al (2009) « the Princeton guide for Ecology » disponible à la biliothèque des Sciences.
Other infos	The course will be taught in English, but questions can be asked in French.
Faculty or entity in charge	BIOL

Programmes containing this learning unit (UE)

Program title	Acronym	Credits	Prerequisite	Aims
Bachelor in Biology	BIOL1BA	2	LBIO1117 AND LBIO1223	
Minor in Scientific Culture	MINCULTS	2		