





3.00 credits

30.0 h + 10.0 h

Q2

Teacher(s)	Hance Thierry ;Nieberding Caroline ;Van Dyck Hans ;Wesselingh Renate (coordinator) ;
Language :	French
Place of the course	Louvain-la-Neuve
Prerequisites	Basics in ecology as seen in course Lbio1117 are necessary. <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 course the basics of ecology that were presented in the first course, Lbio1117 Ecologie I, are treated in more detail, including elements of population dynamics and community ecology.
Learning outcomes	<p>1 To give an outline of spatial-temporal mechanisms of adaptation of living beings, of the way populations and their regulation systems function. In particular, analysis of population-environment systems are seen and emphasis on correlations between natural history of individuals and population strategies with different changes in their environment. We also want the students to understand the aim and conceptual scene of behaviour ecology (relations between natural selection, ecology and behaviour) and to be able to use these concepts by testing the hypothesis in a decisional way.</p> <p>-----</p> <p><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></p>
Evaluation methods	<b>Due to the COVID-19 crisis, the information in this section is particularly likely to change.</b> Written exam with open questions.
Teaching methods	<b>Due to the COVID-19 crisis, the information in this section is particularly likely to change.</b> Classroom ex-cathedra course, reading of articles and practical work in the field with a synthesis presentation
Content	This course will be given by Thierry Hance The topics covered are 1) demecology and population dynamics based on data drawn from observation and experience of the living world; 2) Prey-predator relationships and competition 3) Analysis of food-web and living communities 3) An introduction to sociality
Faculty or entity in charge	BIOL

<b>Programmes containing this learning unit (UE)</b>				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Master [120] in Geography : General	<a href="#">GEOG2M</a>	3		
Minor in Scientific Culture	<a href="#">MINCULTS</a>	3		
Bachelor in Biology	<a href="#">BIOL1BA</a>	3	<a href="#">LBIO1117</a>	
Interdisciplinary Advanced Master in Science and Management of the Environment and Sustainable Development	<a href="#">ENVI2MC</a>	3		
Master [120] in Environmental Science and Management	<a href="#">ENVI2M</a>	3		