





3.00 credits

30.0 h + 10.0 h

Q2

Teacher(s)	Hance Thierry ;
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 LBIO1117 (Ecology 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>At the end of this learning unit, the student is able to :</p> <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>
Evaluation methods	Written exam with open questions.
Teaching methods	Classroom ex-cathedra course, reading of articles and practical work in the field with a synthesis presentation
Content	<p>This course will be given by Thierry Hance</p> <p>The topics covered are</p> <ol style="list-style-type: none"> 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

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