





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	At the end of this learning unit, the student is able to : 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.
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	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

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