

4.00 credits

30.0 h + 10.0 h

Q2

Teacher(s)	Wesselingh Renate ;
Language :	French
Place of the course	Louvain-la-Neuve
Learning outcomes	
Content	This course treats all the questions that have a link with ecology, both the theoretical concepts illustrated by practical examples, but also the impact of man on ecosystems. More in detail, the cours deals with • the ecology of individuals (abiotic conditions, resources, intraspecific competition, ecological niche) • population ecology (life cycles, demography, migration and dispersal, life history, impact of intraspecific competition on populations) • community ecology (the different types of interactions between species, interspecific competition and community structure, predator-prey relationships, effects of predation on community structure) • ecosystem dynamics (biogeochemical cycles, primary productivity, energy flow through ecosystems, interactions between trophic levels) • the biosphere (influence of abiotic conditions on ecosystems, terrestrial and aquatic biomes, biodiversity, impact of the human population) Practical activities outdoors will help to illustrate the theoretical concepts.
Bibliography	
Faculty or entity in charge	BIOL

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Minor in Scientific Culture	MINCULTS	4		
Bachelor in Biology	BIOL1BA	4		
Minor : Issues of Transition and Sustainable Development	MINDD	5		
Interdisciplinary Advanced Master in Science and Management of the Environment and Sustainable Development	ENVI2MC	4		
Minor in Population and Development Studies	MINSPED	5		
Minor in Biology	MINBIOL	4		
Bachelor in Geography : General	GEOG1BA	4		
Bachelor in Biology, Anthropology and Archaeology	BABA1BA	4		
Master [120] of Education, Section 4 : chemistry	CHIM2M4	4		