

5.00 credits

30.0 h + 30.0 h

Q2



This learning unit is not open to incoming exchange students!

Teacher(s)	Scaufflaire Jonathan ;
Language :	French
Place of the course	Charleroi
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	<ol style="list-style-type: none"> 1. Biodiversity and phylogenies: nature, classification principles and analysis techniques 2. The mechanisms of evolution: the species and the mechanisms behind their emergence 3. The adaptation of organisms to their environment: nature, origin and mechanisms 4. Population ecology: life cycles, demography, migration and dispersal, life history, impact of intraspecific competition on populations 5. Community ecology: types of interactions between species; interspecific competition and community structure, prey-predator relationships 6. Biosphere: the biomes of the terrestrial globe, Walloon ecosystems, human impact on the biosphere
Learning outcomes	<p>At the end of this learning unit, the student is able to : <i>At the end of this teaching unit, the student is able to:</i></p> <ul style="list-style-type: none"> - take stock of the diversity of living organisms - explain the origin of this diversity in the light of the theory of evolution - understand how organisms interact with each other - understand how organisms adapt to their environment and to variations in the physico-chemical characteristics of their environment. - understand how populations of organisms evolve - understand the impact of human activities on the biosphere.
Faculty or entity in charge	SINC

Programmes containing this learning unit (UE)

Program title	Acronym	Credits	Prerequisite	Learning outcomes
Bachelor in Computer Science	SINC1BA	5	LSINC1132	