






4.00 credits

36.0 h + 12.0 h

Q1

Teacher(s)	Schtickzelle Nicolas ;
Language :	French
Place of the course	Louvain-la-Neuve
Main themes	This course covers conservation biology, the branch of science that aims to provide the scientific bases of biodiversity conservation and its daily practice like the management of natural environments and endangered populations. The course emphasizes a multi-disciplinary approach integrating ecology, biogeography, genetics, to lead to a modelling approach. Then the course covers the applied aspect of this discipline, integrating a political and socio-economic thinking.
Learning outcomes	<p>At the end of this learning unit, the student is able to :</p> <p>Through this course, students will gain a comprehensive view of the current biodiversity crisis, its causes, consequences and possible ways to limit it.</p> <p>1 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'.</p>
Evaluation methods	<p>Oral examination on the content of the course, on the basis of questions chosen at random by the student. There will be a 10-minute preparation time, followed by a 10-minute discussion.</p> <p>If the health rules require that the exam be organized remotely, it will be done by Microsoft Teams, and the preparation time will be eliminated.</p>
Teaching methods	<p>Lecture in audience for the theoretical part.</p> <p>The practical work consists of an excursion to the Bois de Lauzelle, a small presentation by group of two students, the viewing of a film and two seminars by guest lecturers.</p> <p>The student is encouraged to interact with all these activities.</p> <p>In the event that health regulations do not allow full face-to-face teaching, the course will be broadcast live via Microsoft Teams, either for all students or for a part (while the other part follows the face-to-face course).</p> <p>The course will be as interactive as possible with the possibility for each student to ask their questions live.</p>
Content	<p>The course begins by defining the levels of biodiversity, its spatiotemporal variations and its current state.</p> <p>The peculiarity of the current extinction crisis is determined relative to the extinctions of the past.</p> <p>Then the various threats to biodiversity, caused by the human impacts on the environment, are detailed, with the associated risks to biodiversity and humanity.</p> <p>Follows an overview of approaches to conservation and management of territories and threatened species.</p> <p>The practical work consists in a visit to the Bois de Lauzelle to concretely illustrate the risks to biodiversity and associated conservation and / or restoration approaches.</p>
Inline resources	<p>The slides presented during the course are on Moodle.</p> <p>If the health rules require that certain courses be given live with Microsoft Teams, these will be recorded and made available to students.</p>
Faculty or entity in charge	BIOL

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Master [120] in Sociology	SOC2M	5		
Master [120] in Environmental Bioengineering	BIRE2M	4		
Master [120] in Biology of Organisms and Ecology	BOE2M	4		
Interdisciplinary Advanced Master in Science and Management of the Environment and Sustainable Development	ENVI2MC	4		
Master [120] in Environmental Science and Management	ENVI2M	4		
Master [60] in Biology	BIOL2M1	4		