LBOE2120

2014-2015

Conservation de la biodiversité

4.0 credits	36.0 h + 12.0 h	1q

Teacher(s) :	Van Dyck Hans ; Schtickzelle Nicolas ;
Language :	Français
Place of the course	Louvain-la-Neuve
Main themes :	The course starts by defining the three levels of biodiversity, the methods to assess it and its current status. Then the particularity of the actual extinction crisis is compared to the previous ones. The various threats faced by biodiversity, consequences of human activity on the environment are detailed and solutions of land -use planning are proposed, presenting the tools and methods of land management and endangered populations conservation. The course will also study environmental politics (national and international), and the tools to assess the efficiency of measures taken to conserve biodiversity. The practical work consists of an introduction to computer modelling of endangered populations function and a discussion to real cases of biodiversity conservation.
Aims :	Students following this course will acquire a scientific opinion of the causes and consequences of the current biodiversity crisis. Students will be able to propose comprehensive solutions to further halt the loss of biodiversity. *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".*
Content :	This course is concerned with conservation biology, the branch of science that aims to provide the scientific bases of biodiversity conservation and its daily practice like the survey of natural grounds and endangered populations. The course privileges a multi-disciplinary approach integrating ecology, biogeography, genetics, to get to a modelling approach. Then the course will come upon the applied aspect of this discipline, integrating the political and socio-economical aspects.
Other infos :	Evaluation: oral examination preceded by written preparation.. Support: course slides are available on icampus.
Cycle and year of study :	> Master [60] in Biology > Master [120] in Forests and Natural Areas Engineering > Master [120] in Biology of Organisms and Ecology > Master [120] in Environmental Science and Management
Faculty or entity in charge:	BIOL