

4.00 credits

22.5 h + 22.5 h

Q2

Teacher(s)	Jacquemart Anne-Laure ;Pairon Marie ;
Language :	French
Place of the course	Louvain-la-Neuve
Prerequisites	Basic notions in ecology and population ecology; phytosociology
Main themes	Population dynamics in heterogeneous landscapes, spatial distribution of habitats and species, assessment of species conservation status at landscape or regional scale, evaluation of habitat suitability for particular species, biodiversity monitoring schemes, identification of key elements within a landscape for species survival and reproduction, threats and solutions in biodiversity conservation from the population to the landscape levels, techniques in restoration and management of natural and semi-natural biotopes, hunting and game management practices, game biology and management, monitoring techniques of game populations, analysis of the habitat used by red deer and equilibrium between game populations and forests.
Learning outcomes	
Evaluation methods	Written exam (Moodle and reports on plant surveys in the field) on theoretical courses and applied seminars, and field trips
Teaching methods	Support : Slides of lectures and seminars in English or French available via the Moodle website. Teaching team: 2 teachers and several invited speakers for seminars.
Content	Lectures established in the form of interconnected modules based on theoretical courses with field trips (4 days) and several seminars on applied themes (invited speakers). Theoretical background and applications. Vegetation analysis and surveys, indicator species, conservation. Biodiversity monitoring:.. sampling design and data collection. Evaluation of conservation status for species and biotopes. Management and conservation of natural and semi-natural biotopes. Techniques of restoration and management applied to open biotopes. Managing and restoring ecological networks: Natura 2000 network in Wallonia. Field surveys.
Inline resources	Moodle
Bibliography	Support(s) de cours obligatoires Syllabus d'analyse de la végétation Diapositives du cours en ligne sur Moodle Supports de cours facultatifs Livres de référence sur l'analyse de la végétation et la gestion des milieux et des espèces
Other infos	This course can be given in English.
Faculty or entity in charge	AGRO

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Master [120] in Environmental Bioengineering	BIRE2M	4		