UCLouvain

lbirf2212

2019

In view of the health context linked to the spread of the coronavirus, the methods of organisation and evaluation of the learning units could be adapted in different situations; these possible new methods have been - or will be - communicated by the teachers to the students.

6 credits	50.0 h	Q1

Teacher(s)	Ponette Quentin ;Vincke Caroline (coordinator) ;
Language :	French
Place of the course	Louvain-la-Neuve
Prerequisites	Precursory courses: core courses of the Master in Forests and natural Areas Engineering, particularly 'Forest management and planning' (LBIRF2202), 'Forest economics and policy' (LBIRF2201), 'Forest ecology and phytosociology' (LBIRF2104) and 'Managements of habitats and species' (LBIRF2106). On demand, students from other options could be integrated (agronomy, hydrology, landscape management, ') *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.*
Main themes	1. Main concepts: The forest management and planning project requires students to implement in an integrated way the knowledge and skills acquired during their training as bio-engineers in order to understand and analyze a problem of forest management / forest planning. It allows, in particular, to implement the concepts and methods developed in the course LBIRF2202. The project involves the following steps: (1) analyse and understand a forestry issue, (2) identify and document possible solutions considering the legal and administrative framework and integrating ecology and habitat/species management and/or restoration, (3) select the most appropriate solutions, (4) work them out, and (5) criticise the chosen solution. The project will reflect the complexity of a similar problem that may be encountered during their future professional career within the time constraints of the course. Students are encouraged to consult experts within the frame of the project. A written and oral report is expected, that must be understandable and useable by an engineer without specific prior knowledge on the topic.
Aims	a. Contribution de l'activité au référentiel AA (AA du programme) M1.4, M1.5, M2.3, M2.4, M2.5, M4.1, M4.2, M4.5, M4.6, M4.7, M5.3, M5.4, M6.5, M6.8 b. Formulation spécifique pour cette activité des AA du programme (**maximum 10**) 1 Students will be able to: - analyze and describe the underlying stakes in forest planning and habitat management, integrating all relevant technical, economic, ecological and legal constraints; - identify, collect, analyze and organize all the data required during the different stages of the management and planning process; - imagine and develop a realistic, well documented and argued, management proposal; - present and defend this proposal to the involved stakeholders. The project also helps to develop the students' ability to lead a project team, to identify the relevant issues / constraints / stakeholders and goals, and to plan the main steps in a real and professional context. - - - - *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".*
Evaluation methods	**Due to the COVID-19 crisis, the information in this section is particularly likely to change.** Evaluation of the written report and of the oral presentation.

Teaching methods	**Due to the COVID-19 crisis, the information in this section is particularly likely to change.** The objective of this project is to enable students, through the analysis of a specific case relating to forest management, to integrate different subjects and to address the multifunctionality of forests through a broad multidisciplinary approach. This project is conducted by a team of teachers, supported by experts according to the specific subject of the current year. It includes fieldwork, bibliographic research, data analysis, consideration of the governance dimension. Each week, a 2-hour meeting is held with discussion and feedback from the supervisors. The assessment is based on the submission of a written report (group) at the end of December and an oral defense during the January session, in front of the teachers and other stakeholders concerned by the conclusions of the work.
Inline resources	Moodle
Bibliography	Les supports de base (diapositives power point, transparents, documents de référence) sont mis à disposition de l'étudiant·e sur Moodle. Par ailleurs, l'étudiant·e est amené·e à rechercher seul·e ou en équipe les ressources complémentaires nécessaires à la réalisation du projet.
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	Aims
Master [120] in Forests and Natural Areas Engineering	BIRF2M	6	LBIRE2102 AND LBIRE2104 AND LBIRF2101 AND LBIRF2105 AND LBIRF2201 AND LBIRF2104	