

Teacher(s)	Jonard Mathieu ;Vincke Caroline coordinator ;
Language :	French
Place of the course	Louvain-la-Neuve
Prerequisites	<p>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, ')</p> <p><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></p>
Main themes	<p>1. Main concepts:</p> <p>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.</p> <p>The project involves the following steps:</p> <ol style="list-style-type: none"> <li>(1) analyse and understand a forestry issue,</li> <li>(2) identify and document possible solutions considering the legal and administrative framework and integrating ecology and habitat/species management and/or restoration,</li> <li>(3) select the most appropriate solutions,</li> <li>(4) work them out, and</li> <li>(5) criticise the chosen solution.</li> </ol> <p>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.</p>
Aims	<p>a. <u>Contribution de l'activité au référentiel AA (AA du programme)</u> 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</p> <p>b. <u>Formulation spécifique pour cette activité des AA du programme (maximum 10)</u></p> <p>Students will be able to:</p> <ol style="list-style-type: none"> <li>- analyze and describe the underlying stakes in forest planning and habitat management, integrating all relevant technical, economic, ecological and legal constraints;</li> <li>- identify, collect, analyze and organize all the data required during the different stages of the management and planning process;</li> <li>- imagine and develop a realistic, well documented and argued, management proposal;</li> <li>- present and defend this proposal to the involved stakeholders.</li> </ol> <p>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.</p> <p>-----</p> <p><i>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".</i></p>
Evaluation methods	Evaluation of the written report and of the oral presentation.
Teaching methods	Integrated, multidisciplinary and real-life project. Regular reporting by students, team discussions, question and answer sessions, and feedbacks by the supervisors and selected key stakeholders.
Inline resources	Moodle
Bibliography	Les supports de base (diapositives power point, transparents, documents de référence) sont mis à disposition de l'étudiant sur Moodle. Par ailleurs, l'étudiant est amené à rechercher par lui-même 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
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<b>Programmes containing this learning unit (UE)</b>				
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	