

5.00 credits

45.0 h

Q1

Teacher(s)	Jonard Mathieu (compensates Vincke Caroline) ;Ponette Quentin (coordinator) ;Vincke Caroline ;
Language :	French > English-friendly
Place of the course	Louvain-la-Neuve
Main themes	<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> <ul style="list-style-type: none"> <li>- to carry out a detailed multifunctional assessment;</li> <li>- to identify and document the possible solutions (taking into account the administrative and legal framework), and select the most promising solutions;</li> <li>- to develop the chosen solutions, ideally up to the scenario of the operations to be implemented;</li> <li>- to issue a critical opinion on the solutions adopted.</li> </ul> <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>
Learning outcomes	
Evaluation methods	<p>Participation is required for this course. In agreement with Article 72 of the General Regulations for Studies and Examinations, the lecturers may propose to the jury to oppose the registration for the examination of a student who has not complied with this obligation.</p> <p>The assessment consists of 4 different parts: (i) work of the year; (ii) written report (1 collective report for the group); (iii) collective oral presentation; (iv) individual response to questions asked by the teaching team and invited professionals during the oral presentation of the work. The final grade is obtained by taking the weighted average of the year's work (30%), the written report (40%), the oral presentation (20%) and the answer to questions (10%). Both for the work of the year and for the written report, the individual contribution to the collective work is taken into account in the grade awarded to each student.</p>
Teaching methods	Collective project managed by the group of students and supervised by the teaching team at a frequency of 2 hours / week.
Content	<p>The objective of this project is to enable students, through the analysis of a specific case relating to forest management, to integrate different topics 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.</p>
Inline resources	Moodle
Bibliography	<p>FR. 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.</p> <p>EN. The basic materials (power point slides, transparencies, reference documents) are made available to the student on Moodle. In addition, the student is asked to seek individually or within a team the additional resources required for the project.</p>
Other infos	<p>This course can be given in English.</p> <p>This project is closely linked to the Multifunctional Forest Management course (LBIRF2202). It mobilizes the skills acquired throughout the cursus to establish an operational management plan at the scale of a forest or part of a forest. This course is committed to transition and sustainable development.</p>

Faculty or entity in charge	AGRO
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<b>Programmes containing this learning unit (UE)</b>				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Master [120] in Forests and Natural Areas Engineering	BIRF2M	5		