

3.0 credits	30.0 h	1q
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Teacher(s) :	Rollin Xavier ;
Language :	Français
Place of the course	Louvain-la-Neuve
Main themes :	<p>BIRF2203-2 Project</p> <p>The forest management and planning project requires that the students apply in an integrated way the knowledge and competences acquired during their training as bio-engineers in order to (1) analyse and understand a forestry issue, (2) identify and document possible solutions considering the legal and administrative framework, (3) select the most appropriate solutions, (4) work them out, and (5) criticise the chosen solution. Students are encouraged to consult experts within the frame of the project. The project will reflect the complexity of a similar problem that may be encountered during their future professional careers within the time constraints of the course. A written and oral report is expected, that must be understandable and useable by an engineer without specific prior knowledge on the topic.</p> <p>BIRF2203-3 This course consists in a one week field trip in Belgium and/or foreign countries during which students may compare their theoretical knowledge to field cases and current practices in their overall complexity. During this field trip, students are encouraged to consider the topics in an integrated manner, considering inter-disciplinarity and with a long term perspective, so typical in forest management. The visits cover numerous fields such as forest ecology, silviculture, forest planning, wood industry, nature conservation</p> <p>Each visit is organized with an expert able to give valuable information on the presented subject.</p>
Aims :	<p>BIRF2203-2 Integrated project (5 ECTS)- only for Master BIRF</p> <ul style="list-style-type: none"> <li>- Capacity to integrate basic scientific disciplines related to Forest sciences together with technical, economic and legal constraints in order to solve a forest management and planning issue.</li> <li>- Capacity to communicate regarding the approach and the solution with the needed rigour and technological sense expected from bio-engineers</li> <li>- Ability to work in teams, requiring initiative and good organisation in order to take up and complete the project</li> <li>- Capacity to justify and defend the approach and the chosen solution</li> <li>- Initiation to the legal, institutional and technical aspects of forest planning.</li> </ul> <p>BIRF2203-3</p> <ul style="list-style-type: none"> <li>- Capacity to integrate basic scientific disciplines related to Forest sciences and to relate them to field cases and current developments</li> <li>- Capacity to analyze a specific forest case with the needed rigour and technological sense expected from bio-engineers</li> <li>- Ability to position as Bio-engineers specialized in forest sciences and to communicate with other specialists</li> <li>- Initiation to the legal, institutional and technical aspects of forest planning in its broader sense.</li> </ul> <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>
Content :	<p>BIRF2203-2 Projet</p> <p>A practical forestry issue, different each year, is proposed by stakeholders or the teachers. The students develop a solution in groups of 3-6 students. The project involves individual work, team work and regular meetings with the teachers who guide the students. The project report is handed in by the end of the last week of courses and is presented orally during the exam session.</p> <p>BIRF2203-3</p> <p>Field cases and recent achievements are presented in situ to the students by experts, within the forest sciences field. The students may interview the experts, participate to debates. The examination consists in an oral discussion with the teachers on particular subjects analyzed during the field trip. In case of too few students, the teachers might decide to adapt this field trip.</p>
Other infos :	<p>BIRF2203-2 Precursory courses : Tronc commun BIRF</p> <p>BIRF2203-3 Precursory courses : Tronc commun BIRF Evaluation : Oral evaluation on a global question</p>

<p>Cycle and year of study :</p>	<p><a href="#">&gt; Master [120] in Agricultural Bioengineering</a>  <a href="#">&gt; Master [120] in Forests and Natural Areas Engineering</a></p>
<p>Faculty or entity in charge:</p>	<p>AGRO</p>