

8.0 credits	80.0 h	1q
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Teacher(s) :	Defourny Pierre (coordinator) ; Jacquemart Anne-Laure ; Devillez Freddy ;
Language :	Français
Place of the course	Louvain-la-Neuve
Main themes :	<p>Project</p> <p>The project in land use planning 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 the land dynamics issues, (2) identify and document possible propositions considering the stakeholders in the area as well as the legal and administrative framework, (3) select the most appropriate strategies, (4) work them out, and (5) criticise the chosen solution. The actual land use issue submitted to the student will have a level of complexity compatible with 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>Excursions</p> <p>Visits in Belgium and possibly abroad in order to discover challenging situations and recent achievements in the field of land use planning.</p>
Aims :	<p>Integrated project (7 ECTS)</p> <ul style="list-style-type: none"> - Capacity to integrate basic scientific disciplines together with technical, economic and legal constraints in order to solve a land use planning issue. - Capacity to communicate regarding the approach and the solution with the needed rigour and technological sense expected from bio-engineers - Ability to work in teams, requiring initiative and good organisation in order to take up and complete the project - Capacity to justify and defend the approach and the chosen solution - Initiation to the legal and technical aspects of land development. <p>Excursions (1 ECTS)</p> <ul style="list-style-type: none"> - Interdisciplinary analysis of land use planning issues based on field visits. - Raise awareness regarding the diversity of stakeholders involved in land dynamics through meeting and in situ interviews. <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>Projet</p> <p>A practical land use issue corresponding to a current situation and different each year, is submitted to the students by the stakeholders involved, the related decision makers and local observation. As an actual approach of professional agency, the students structure their own approach and organize themselves accordingly to address the issue with all possible resources. The analysis includes the data collection (statistics, reports, survey, field observation, maps, GIS, etc), the identification of the land dynamics and the discussion of the challenges at short, medium and long term. The students closely supervised by the professors through workshops, deliver a detailed diagnostic, set up the objectives of the operation and, design one or more propositions really applicable (land use plan, policy recommendations, equipment or tool to be developed, etc). The project report is handed in by the end of the last week of courses and is presented orally during the exam session in January.</p> <p>Excursions</p> <p>Visits of recent achievements in Belgium and possibly abroad.</p>
Other infos :	<p>Precursory courses : Tronc commun BIRE; mandatory courses of the "Aménagement du territoire" option.</p> <p>Evaluation : Written report and oral presentation of the project</p>
Cycle and year of study :	> Master [120] in Environmental Bioengineering
Faculty or entity in charge:	AGRO