

5.0 credits	50.0 h	1q
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Teacher(s) :	Sonnet Philippe (coordinator) ; Dufey Joseph ;
Language :	Français
Place of the course	Louvain-la-Neuve
Main themes :	<p>The project in environmental technologies requires that the students apply in an integrated way the knowledge and competences acquired during their training as bioengineers in order to analyse and understand the environmental pollution issues, and to identify and document possible solutions.</p> <p>The actual environmental 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>
Aims :	<ul style="list-style-type: none"> - Capacity to integrate basic scientific disciplines together with technical and socio-economic constraints in order to solve a soil, water or air pollution problem. - Capacity to communicate regarding the approach and the solution with the needed rigour and technological sense expected from bioengineers - 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 <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>A practical environmental issue corresponding to a current situation and different each year, is submitted to the students by the stakeholders involved and the related decision makers. 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.</p> <p>The students closely supervised by their external supervisor and by professors through workshops, deliver a detailed diagnostic, set up the objectives of the operation and, design one or more propositions really applicable.</p> <p>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>
Other infos :	<p>Precursory courses : Tronc commun BIRE; mandatory courses of the "Environmental technologies, water-soil-air" 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