UCL Université catholique de Louvain

LBIRE2215

2016-2017

Projet intégré et excursion en aménagement du territoire

7.0 credits	50.0 h + 20.0 h	1q

Teacher(s) :	Defourny Pierre ; Jacquemart Anne-Laure (coordinator) ;
Language :	Français
Place of the course	Louvain-la-Neuve
Inline resources:	iCampus
Prerequisites :	Bachelor courses in bioengineering, the project is open to the master in environmental sciences and technology (E)
Main themes :	The integrated project is a real-professional-life situation where the students face an actual problem in land use planning submitted by decision makers and investigated with regards to actual stakeholders. The students are required to mobilize in an integrated and interdisciplinary way the knowledge and skills they have acquired in the course of their bio-engineer training to analyse and understand local issues of land use and to elaborate several concrete solutions which could be successfully implemented by the decision makers. The steps of the overall approach include: - To characterize the perceived, the lived and the objective space, and to complete a territorial diagnosis; - To develop proposals including the phasing of the operations; - To prepare a full report about the proposed interventions and to present and defend it orally in front of the sponsors
Aims :	a. Contribution of this activity to the AA reference (program AA) 2.4 4.1, 4.2, 4.3, 4.4, 4.5, 4.6, 4.7 5.1, 5.2, 5.3, 5.4, 5.5, 5.6, 5.7, 5.8, 5.9 6.2, 6.3, 6.5, 6.6, 6.7, 6.8 7.1, 7.2 8.1, 8.2 b. Specific formulation for this training activity of program AA At the end of the course LBIRE2215, students are able to: - to diagnose and analyse the identified issues of territorial dynamics by integrating into thinking all legal and administrative status as well as social and techno-scientific aspects; - to identify, collect and organize relevant information to the various proposed development phases; - on this basis, to design and detail suitable and operational land use options; to present and advocate them orally to the actual stakeholders. The project also helps to develop the student ability to lead a project team, to identify real-life issues / constraints / actors, formulate locally relevant objectives and manage the working steps sequence over time. 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'. *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".*
Evaluation methods :	Written and oral presentation based on the final proposition.
Teaching methods :	Group work and weekly meetings with the teachers during which students present the progress of their project.
Content :	A multidisciplinary issue corresponding to a real full-scale situation which is different each year is subject to students through meeting actual stakeholders, policy makers and local observations. Following professional approaches adopted by consultancy companies, students structure their approach and iteratively fine tune the goal of their intervention. They are organized into working groups to investigate the identified issues by mobilizing all possible resources and develop realistic land use proposals while taking into account of the administrative and legal framework. The studied problem shows a level of complexity compatible with the time available for the course and is a real professionalizing experience. Students are encouraged to mobilize actors / field experts. Meetings with local stakeholders and site visits are organized by supervisors with complementary expertise while field surveys campaigns are left to the students.
Bibliography :	Basic materials (presentation slides, reference documents) and available geographic data are made available to students on iCampus. Specialized information resources are made accessible in the ENGE library. Furthermore, the student must seek by himself or in team additional resources to the project.

Other infos :	This project is accessible to students of master2 from various options (water resources, water-soil-air, and foresters). This course can be given in English.
Faculty or entity in charge:	AGRO

Programmes / formations proposant cette unité d'enseignement (UE)

Intitulé du programme	Sigle	Credits	Prerequis	Acquis d'apprentissage
Master [120] in Environmental Bioengineering	BIRE2M	7	-	