UCLouvain

lbire2233

2023

Integrated project in water and soil resources management

6.00 credits	50.0 h + 10.0 h	Q1

Teacher(s)	Bielders Charles (coordinator) ;Javaux Mathieu ;Vanclooster Marnik ;
Language :	French
Place of the course	Louvain-la-Neuve
Learning outcomes	
Evaluation methods	PLEASE NOTE: this course may NOT be taken without first enrolling in LBRES2206 'Advanced hydrology for engineers'. Multi-criteria assessment of the project report (quality of the technical solutions provided, quality of the report presentation) and the presentation and oral defence of the project (quality of the presentation and answers to questions). Part of the mark may be awarded on the basis of intermediate presentations during the term.
Teaching methods	During the first week of the term, the organisation of the course is introduced, the student groups are formed, the specific problems of the project are set out, the expected results are explained and the various players and stakeholders are identified. Following a site visit and/or a meeting with the key players, the students themselves define a detailed specification for the project, the activities to be undertaken and the timetable. From the third week onwards, the students carry out this schedule. Monthly meetings (or more frequent ones, at the students' request) with the supervisors enable the execution of the various stages to be monitored. In week 14, the students submit their report. The project is presented and defended orally as a group during the January session.
Content	PLEASE NOTE: this course may NOT be taken without first enrolling in LBRES2206 'Advanced hydrology for engineers'. A concrete problem related to water and soil management (flooding, mudflows, soil erosion, hydraulics, etc.) and different each year is submitted by field workers or teachers. The students work in groups of 3-5 to solve the problem they are given. Carrying out the project involves individual work, teamwork and regular meetings with the teachers who guide them and, if necessary, with external resource people. The project report is handed in during the last week of the Q1 course and defended orally during the examination session. The hydrological and hydraulic modelling tools that the student will use as part of this project will be introduced as part of the course LBRES2206 'Advanced hydrology for engineers'.
Inline resources	See Moodle
Faculty or entity in charge	AGRO

Programmes containing this learning unit (UE)

Program title	Acronym	Credits	Prerequisite	Learning outcomes
Master [120] in Environmental Bioengineering	BIRE2M	6		