

5.00 credits

30.0 h + 22.5 h

Q2

Teacher(s)	Hendrickx Julien ;Massart Estelle (compensates Papavasiliou Anthony) ;Papavasiliou Anthony ;
Language :	French
Place of the course	Louvain-la-Neuve
Learning outcomes	
Evaluation methods	<p>The final grade will depend on</p> <ul style="list-style-type: none"> <li>- the grade obtained for the project, including the achievements and realization, the written document produced, the oral presentations and interactions, work organization and the reflexion on this organization, and the mastery of the topics and concepts related to the project. This part of the grade can be individualized depending the student implication in his/her group during the semester (compulsory assistance, participation to activities, intermediate works, and graded production). The activities related to this part of the grade cannot be re-taken in second session.</li> <li>- the grade obtained for an individual written test taking place outside of the exam period.</li> </ul> <p>The weight of the grade for the written test will be 30% if the grade is 10 or more, and 100% if the grade is 6 or less. For grade between 6 and 10, it will depend linearly on the grade according to : <math>\text{weight} = 1 - 0.7 \cdot (\text{grade} - 6) / 4</math></p> <p>The second session will consist in an individual exam, that may require preparing individual works beforehand.</p>
Teaching methods	Work in small groups, supervised by a tutor. Regular presentations of progress. (Students will be encouraged to write their reports or defend their project in English)
Content	Literature review and understanding of the stated problem. Definition of work plan. Development of an appropriate methodology for solving the problem. Development of algorithms and programming (e.g. MATLAB, C ++, etc.). Simulation studies. Performance evaluation. Writing of a final report and final presentation.
Other infos	This course is part of the set of "Project 4" courses of the baccalaureate program in civil engineering. Projects 4 share common transversal objectives but are broken down into various versions with distinct disciplinary objectives, corresponding to the program streams. Each student chooses the project proposed by one of his/her fields.
Faculty or entity in charge	MAP

<b>Programmes containing this learning unit (UE)</b>				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Bachelor in Engineering	FSA1BA	5		