UCLouvain

lepl1507

2021

Project 4 (in applied mathematics)

5.00 credits	30.0 h + 22.5 h	Q2

Teacher(s)	Hendrickx Julien ;Papavasiliou Anthony ;
Language :	French
Place of the course	Louvain-la-Neuve
Learning outcomes	
Evaluation methods	30% of the grade corresponds to a written test taking place outside of the exam period. 70% of the grade correspond to 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.
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

Programmes containing this learning unit (UE)

Program title	Acronym	Credits	Prerequisite	Learning outcomes
Bachelor in Engineering	FSA1BA	5		🔍