UCL Université catholique de Louvain

LINMA1375

2010-2011

Project in applied mathematics

4.0 credits	0 h + 45.0 h	2q

Teacher(s) :	Nesterov Yurii ; Wertz Vincent ; Absil Pierre-Antoine (compensates Wertz Vincent) ; Glineur François (compensates Wertz Vincent) ; Nesterov Yurii (compensates Wertz Vincent) ; Glineur François (coordinator) ; Absil Pierre-Antoine ;
Language :	Français
Place of the course	Louvain-la-Neuve
Main themes :	Small teams of students develop a Mathematical Engineering Application by combining methods and scientific knowledge from three out of the fundamental disciplines of Applied Mathematics : Numerical analysis, Algothmics, Optimisation, Differential equations and Dynamical systems, Statistics and Probabilities, Continuum Mechanics.
Aims :	Interdisciplinary training in Mathematical Engineering *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".*
Content :	The project involves a bibliographic investigation, the development of an appropriate methodology, the development of suitable algorithms and codes, a performance evaluation, the preparation of a final report.
Other infos :	Oral presentation of the project.
Cycle and year of study :	> Bachelor in Engineering > Bachelor in Computer Science > Bachelor in Mathematics
Faculty or entity in charge:	MAP