Faculty of Applied Sciences

INMA1375   Project in applied mathematics

[0h+45h exercises] 5 credits

This course is not taught in 2005-2006
This course is taught in the 2nd semester
Language: French
Level: First cycle

Aims

Interdisciplinary training in Mathematical Engineering

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.

Content and teaching methods

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 information (prerequisite, evaluation (assessment methods), course materials recommended readings, ...)

Oral presentation of the project.