

CALCUL SCIENTIFIQUE 2



In brief

> **Code:** N7EM04

Presentation

Objectives

Perform numerical simulations for fluid mechanics problems via:

- the use of Computational Fluid Dynamics codes
- developing numerical softwares solving 2 dimensional Partial Differential Equations.

Pre-requisites

- Notions in the numerical analysis of partial differential equations.
- Notions programming (python, C, fortran, etc)
- Notions regarding the finite volume method

List of courses

	Nature	CM	TD	TP	Crédits
Expériences Numériques de MKF-FLUENT & Star-CD	Matière				
Méthodes Numériques pour les EDP	Matière				
Processus Stochastiques	Matière				