

# SCIENTIFIC COMPUTING 2



In brief

> **Ametys Code:** N7EM04

## Presentation

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### 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

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## List of courses

	Nature	CM	TD	TP	Crédits
Expériences Numériques de MKF-FLUENT & Star-CD	Matière				
Numerical Methods for PDE	Matière				
Stochastic Processes	Matière				