

UE Software development tools and methods



Level
Baccalaureate
+5



ECTS
3 credits



Component
UFR IM2AG
(informatique,
mathématiques
et
mathématiques
appliquées)



Semester
Automne

- > **Teaching language(s):** English
- > **Open to exchange students:** Yes
- > **Code d'export Apogée:** GBX9AM18

Presentation

Description

The aim of this course is to study various useful applications, libraries and methods for software engineering related to applied mathematics. For example :

- C++ project management (git and/or svn)
- Development and profiling
- Boost library
- Linear algebra (Eigen)
- Prototyping and interfacing using Python
- Post processing and visualization tools (VTK, Paraview, GMSH)

This course deals with :

Topic 1: Software Engineering

Topic 2: Programming

Evaluation :

Practical sessions reports and oral presentation at the end of the course

Course parts

Lectures	Lectures (CM)	9h
Practical work	Practical work (TP)	30h

Period : Semester 9

Useful info

Contacts

Program director

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Campus

› [Grenoble - University campus](#)