

UE Object-oriented and software design



Level
Baccalaureate
+4



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:** GBX7AM10

Presentation

Description

This course provides an introduction to the basic concepts of object-oriented programming in C++: classes and encapsulation, operator overloading, generic classes (templates), STL (Standard Template Library), inheritance and derived classes, polymorphism and virtual functions.

Lab sessions illustrate these concepts, and applications for applied mathematics.

Course parts

CM/TD	Lectures (CM) & Teaching Unit (UE)	15h
TP	Practical work (TP)	18h

Useful info

Contacts

Program director

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Campus

› [Grenoble - University campus](#)