Faculty of Sciences

PHY1271   Computer Science and Numerical Methods

[15h+30h exercises] 4 credits

This course is taught in the 1st semester

Teacher(s):   Giacomo Luca Bruno
Language: French
Level: First cycle

Aims

Students should get familiar with the basics of Computer Science. They should learn how to program in a modern language like C++.

Main themes

Computer Science history
Computer architecture
Operating systems
Network, applications and security
Programming languages (for instance C++)
Solution of numerical exercises with the aid of programs written in an object oriented language

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

Pre-requisites: none

Other credits in programs

MD3DA/MO	Diplôme d'études approfondies en sciences de la santé (sciences de la motricité)	(4 credits)	Mandatory
PHYS12BA	Deuxième année de bachelier en sciences physiques	(4 credits)	Mandatory