Computer sciences & Numerical methods

The course provides basic knowledge on linear algebra, numerical methods for ordinary/partial differential equations, integration, Fourier analysis, etc. The course includes an important practical component that allows the learning of scientific programming languages (python).

On-line ressources:

Python programming fundamentals - K.D. Lee, Springer 2nd Edition, 2014

A beginners Guide for python 3 programming - J. Hunt, Springer 1st Edition, 2019

Advanced Guide for python 3 programming - J. Hunt, Springer 1st Edition, 2019

Ordinary differential equations - W.A. Adkins et al, Springer, 2012

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