

# Software Carpentry Workshop - Materials Physics Center (CFM)

**Date & place:** Software Carpentry Workshop - Materials Physics Center (CFM), January 10, 17, 19 and 27th, 2023 ([workshop webpage](#)). Friday 27th session.

**Content:** Introduction to Scientific Python

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## Abstract

Introductory lesson for Scientific Computing with Python based on the [SciPy](#) stack having four parts:

- An overview of the Scientific Python ([SciPy](#)) ecosystem.
- An introduction to [NumPy](#), based on Valentin Haenel's [SciPy 2013 Tutorial](#).
- A very short practical introduction to [Matplotlib](#).
- A guided hands-on demonstration of some of the [SciPy](#) library subpackages.

Participants are encouraged to follow the hands-on parts in their laptops. For this is enough with just having the [Anaconda](#) Python scientific stack installed. Installation is straightforward and you can follow eg. this [installation instructions](#). Please use the Python 3 version for your platform.

**Targeted audience:** scientific and technical people interested in computing, data analysis, task automation,...

**Content level:** beginner

**Audience prerequisites:** basic general programming knowledge. Python knowledge is desirable for the evening sessions, but not essential if you have experience with any other programming language.

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