

## **Compact Course:** *Introduction to Python Testing*

Date: 10.10.23 9:30-13 Uhr

Instructor: Dr. Liam Keegan, Research Software Engineer, Scientific Software Center

Venue:

The course will be given as an in-person event in Mathematikon Bauteil A, Im Neuenheimer Feld 205, in Seminar room 10 on the 5th floor.

Prerequisites:

Basic Python knowledge and a laptop is required. Experience with writing tests is not required.

Summary:

An automated test suite makes it much easier to maintain, extend and debug your Python code. In this course we will learn how to write automated tests in Python using the pytest library. After introducing the key concepts, the majority of the course will be hands-on, writing and running tests.

Learning objectives:

After the course participants will be able to

- Install and run pytest
- Write simple tests
- Use temporary files in tests
- Use fixtures to manage resources
- Parametrize tests
- Add an automated test suite to their existing python projects

Registration:

Please register using this webform:

<https://ssc.iwr.uni-heidelberg.de/form/intro-python-testing>