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## **Seminar über Ultrafast Science and Technology**

**Referent/in:** Dr. Hans-Martin Frey, Institut für Angewandte Physik, Universität Bern

**Titel:** Introduction to Python

This three-course seminar introduces the programming language Python. Python is Open Source and cross platform on Win/Mac/Unix and no license fees apply. The first of the three lectures will deal with the basic concepts of Python. I will show main differences to other programming languages and also its limitations. The second part is dedicated to interfacing of instruments. I will demonstrate the communication with Glaz, Scope, Avantes via shared libraries and the plotting library of Python. The last lecture will deal with building GUIs. With Qt5 I will build a simple GUI and also show the data acquisition of the transient absorption in the FastLab.

All examples can be programmed using Python3.7 and PyQt5.

**Zeit:** Do, 14.11.2019 11:15 Uhr  
Do, 21.11.2019 11:15 Uhr  
Do, 28.11.2019 11:15 Uhr

**Ort:** **Hörsaal B116**, Gebäude Exakte Wissenschaften, Sidlerstrasse 5, Bern, Schweiz