

Mathematical
Institute

Python Crash Course for MSc Students

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- How many of you have used Python?
- How many have coded in another language?
- How many of you have installed Python?

Introduction
Course objectives:

- The objective of this course is to give an introduction to Python with an emphasis on the essentials of Python programming for mathematics.
- This course consists of around eight hours of practical sessions and lectures.
- The best way to learn the software is using it.
- There will be no grades, so ask for as much help as you need from the demonstrators, the person sitting next to you, the internet, ..., but please don't get AI to do it all for you.
- Course website: https://courses.maths.ox.ac.uk/course/view.php?id=6782

Monday 5th October

11:00 – 12:30	Introduction Theory 0: Basic operations with the command window Practical 0
13:30 – 15:00	Theory 1: Jupyter Notebooks, Logic, Control Structures & Lambda Functions Practical 1
15:30 – 17:00	Practical 1 (cont.) Theory 2: Scripts & Functions

Tuesday 6th October

11:30 – 13:00	Practical 2
14:00 – 15:00	Theory 3: Plotting & Visualisation Practical 3
15:30 – 17:00	Practical 3 (cont.)