

MATH0011: Mathematical Methods II

Part 1: Python Programming

Week 3: Modules & objects



- **Two hour programming class**
 - Tuesday 2:00–4:00, Birkbeck, 414/415
 - Tuesday 5:00–7:00, Torrington Place 1-19, 113
 - Wednesday 1:00–3:00, Christopher Ingold, G20
 - Wednesday 3:00–5:00, Christopher Ingold, G20
 - **Thursday 9:00–11:00, Cruciform, B1.15A**
 - Friday 9:00–11:00, Birkbeck 414/415

math

Contains mathematical functions

random

Contains functions to generate random numbers

itertools

Contains functions to help you iterate through things

datetime

Contains date and time functions

json

Allows you to import and export using json notation

urllib

Allows you to do stuff involving URLs

numpy

Vectors, vector functions, etc

(not installed by default)

scipy

More vectors, matrices, linear algebra,
optimisation, etc

(not installed by default)

matplotlib

For plotting graphs

(not installed by default)

pandas

For data analysis

(not installed by default)

sympy

For symbolic algebra

(not installed by default)

Google

Google Search

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import apple

if there is a file in the current directory called apple.py:

import that file

elif there is an installed Python module called apple:

import that module

else:

raise ModuleNotFoundError