# Computing for mathematics

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## Intended learning outcomes for this module:

* Understand and be able to write in Python the following programming ideas: Conditional Statements; Flow Control; Data Structures; Recurrence, Basic ideas of Object Orientated Programming;
* Use the above and a Mathematics package (Sage) to tackle mathematical problems;
* Have a basic knowledge of LaTeX;
* Work in groups to tackle problems and convey solutions to those problems through presentation.

## How the material will be taught (first term):

* 2 lab sessions to do 1 lab sheet;
* Need to complete 80% of 'TICKABLES';
* **YOU WILL NEED TO WORK OUTSIDE OF THE LABS TO HAVE SUFFICIENT TIME TO COMPLETE LAB SHEETS**
* Lecture on Thursday 1100;
* Office hours Thursday 1300 - 1500.

## Resources:

* All teaching resources are available at [drvinceknight.github.io/Computing\_for\_mathetics](https://drvinceknight.github.io/Computing_for_mathematics)