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