

DEPARTMENT FOR CONTINUING EDUCATION

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READING LIST

Course Title: Introduction to Mathematical Proofs
Location: Online, None
Term Dates: 19 Apr 2024 to 28 Jun 2024
Tutor: Niccolò Salvatori

The reading list below was supplied by the course tutor.

If you have enrolled on a course starting in the autumn, you can become a borrowing member of the Rewley House library from 1st September. If you are enrolled on a course starting in other terms, you can become a borrowing member once the previous term has ended. For example, students starting in January can join the Library in early December and those starting in April can join in early March.

If you are planning to purchase any books, please keep in mind that courses with insufficient students enrolled will be cancelled. The Department accepts no responsibility for books bought in anticipation of a course running.

Preparatory Reading List

The items on this list are to give you some background to the materials and ideas that we will be covering on the course.

Author	Title
Daniel J. Velleman	<i>How to Prove It: A Structured Approach</i>
Daniel Solow	<i>How to Read and Do Proofs: An Introduction to Mathematical Thought Processes</i>
George Pólya	<i>How to Solve It: A New Aspect of Mathematical Method</i>
Imre Lakatos	<i>Proofs and Refutations (Advanced)</i>
Matthias Beck and Ross Geoghegan	<i>The Art of Proof: Basic Training for Deeper Mathematics</i>