

## MATHEMATICAL TRIPOS, PART IA

There will be an induction session for Part IA students at 9.00 a.m. on Wednesday 9 October 2024 in the Cockcroft Lecture Theatre.

Lecture recordings will be available until 9:30 on the morning of the second following lecture. Please note that recordings can take some time to process following the end of the lecture (up to several hours). This is due to the way Panopto stores and manages recordings, and it cannot be expedited.

For a personalised version of the timetable, which you can import into your own electronic calendar, please see <http://www.timetable.cam.ac.uk>.

### Michaelmas 2024

#### Vectors and Matrices

Prof. N. Peake

M. W. F. 10, *Babbage Lecture Theatre*

#### Groups

Prof. H. Wilton

M. W. F. 11, *Babbage Lecture Theatre*

#### Numbers and Sets

Dr Z. Wyatt

Tu. Th. S. 10, *Babbage Lecture Theatre*

No lecture on 30 November.

Additional lecture on 6 December, 10am.

#### Differential Equations

Prof. A. D. Challinor

Tu. Th. S. 11, *Babbage Lecture Theatre*

### Lent 2025

#### Probability

Prof. P. Sousi

M. W. F. 10, *Babbage Lecture Theatre*

#### Vector Calculus

Dr R. E. Hunt

M. W. F. 11, *Babbage Lecture Theatre*

#### Dynamics and Relativity

Prof. S. A. Hartnoll

Tu. Th. S. 10, *Babbage Lecture Theatre*

#### Analysis I

Prof. C. M. Warnick

Tu. Th. S. 11, *Babbage Lecture Theatre*

### Easter 2025

#### Optimisation\*

Dr V. Jog

M. W. F. 10, *Babbage Lecture Theatre* (twelve lectures)

Final lecture on Tue 27 May

#### Variational Principles\*

Prof. H. S. Reall

M. W. F. 11, *Babbage Lecture Theatre* (twelve lectures)

Final lecture on Tue 27 May

#### Computational Projects\*

Dr D. Frank

M. W. F. 12, *Arts Lecture Theatre A* (eight lectures)

\*Examined in Part IB of the Tripos

*Information for non-examinable courses and the Mathematics with Physics option appear on the next page.*

The following courses, proposed by the Board of the Faculty of Mathematics, are non-examinable.

**Michaelmas 2023**

**Lent 2024**

**Easter 2024**

**For Mathematics with Physics Option only:**

**Numbers and Sets** (Lecture Classes) §

Mr. T. K. H. Yau, Mr. L. Hollom

W. 12, *Arts School Lecture Theatre A*

**Introduction to Mechanics** §

Dr P. J. O'Donnell

Tu. Th. 12, *Hopkinson Lecture Theatre* (ten lectures)

**Mathematics with Physics Option**

An introductory session for IA Physics students will be held at 11.00 am on Wednesday 9 October 2024 in the Pippard Lecture Theatre, Cavendish Laboratory.

Students taking this option should attend Vectors and Matrices, Groups, Differential Equations, Analysis I, Vector Calculus and Probability from Part IA of the Mathematical Tripos, together with the lectures listed at <http://www.timetable.cam.ac.uk/> in Part IA Physics of the Natural Sciences Tripos. Students will also be required to do Physics practical work, and should attend at least the first lecture of the Scientific Computing Course.

Because of timetabling constraints, it is not possible to attend in person the Physics lectures and the lectures on Numbers and Sets and Dynamics and Relativity (but there is significant overlap between the Physics lectures and those on Dynamics and Relativity). Students should discuss with their Directors of Studies the potential benefits of attending the non-examinable lecture classes on Numbers and Sets.

§ This lecture theatre is not equipped for lecture capture. Students following this course with a recommendation for access to recordings in their Student Support Document (SSD) should contact the [Undergraduate Office](#) for further information on support. Students who require access to recordings as a reasonable adjustment, but who do not have a SSD, should consult their College Tutor (see also paragraph 3 of the [Faculty's Statement on the Recording of Teaching Sessions](#)).