

Lectures proposed by the Board of the Faculty of Mathematics

MATHEMATICAL TRIPOS

Graduates of the University who are not reading for any University Examination may attend without payment any lectures proposed by the Faculty Board of Mathematics.

PART IA

Part IA students are recommended to attend the induction session which will be held from 9.15 a.m. to 10.15 a.m. on Wednesday 9 October 2019, in the *Cockcroft Lecture Theatre*.

A meeting will be held for all Part IA students on Friday 1 May 2020 at 2.00 p.m. in the *Babbage Lecture Theatre* to discuss examinations and examination techniques.

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 2019	LENT 2020	EASTER 2020
<p>Groups DR O. RANDAL-WILLIAMS M. W. F. 10, <i>Babbage Lecture Theatre</i></p>	<p>Vector Calculus DR A. ASHTON M. W. F. 10, <i>Babbage Lecture Theatre</i></p>	<p>Optimisation* DR M. R. TEHRANCHI M. W. F. 9, <i>Mill Lane Room 3</i> (Twelve lectures)</p>
<p>Vectors and Matrices DR J. M. EVANS M. W. F. 11, <i>Babbage Lecture Theatre</i></p>	<p>Analysis I PROF. J. RASMUSSEN M. W. F. 11, <i>Babbage Lecture Theatre</i></p>	<p>Variational Principles* DR M. DUNAJSKI M. W. F. 10, <i>Mill Lane Room 3</i> (Twelve lectures)</p>
<p>Numbers and Sets PROF. I. B. LEADER Tu. Th. S. 10, <i>Babbage Lecture Theatre</i></p>	<p>Dynamics and Relativity PROF. P. H. HAYNES Tu. Th. S. 10, <i>Babbage Lecture Theatre</i></p>	<p>Computational Projects* DR R. JACK M. W. F. 11, <i>Mill Lane Room 3</i> (Eight lectures)</p>
<p>Differential Equations DR J. R. TAYLOR Tu. Th. S. 11, <i>Babbage Lecture Theatre</i></p>	<p>Probability DR P. SOUSI Tu. Th. S. 11, <i>Babbage Lecture Theatre</i></p>	

* Examined in Part IB of the Tripos

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

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

MICHAELMAS 2019

LENT 2020

EASTER 2020

For the Mathematics with Physics Option only:

Numbers and Sets (Lecture Classes)

PROF. I. B. LEADER and others

S. 12 on 12th Oct only, & Th. 12 from 17th Oct onwards,
Hopkinson Lecture Theatre

Introduction to Mechanics

DR P. J. O'DONNELL

M. W. 12, *Hopkinson Lecture Theatre* (Ten lectures)

For the Mathematics with Physics Option only:

Dynamics and Relativity (Lecture Classes)

PROF. P. H. HAYNES, DR J. M. EVANS

Th. 12, *Hopkinson Lecture Theatre*

Concepts in Theoretical Physics

PROF. J. D. BARROW

M. W. F. 12, *Mill Lane Room 3* (Eight lectures)
no lecture on Monday 27th April 2020

Mathematics with Physics Option:

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. They should discuss with their Directors of Studies the potential benefits of attending the non-examinable lecture classes on Numbers and Sets and Dynamics and Relativity. They will also be required to do Physics practical work, and should attend at least the first lecture of the Scientific Computing Course. An Introductory talk will be held at 11.00 am on Wednesday 9 October 2019 in the Pippard Lecture Theatre (following the induction session for all Mathematics students at 9.15 am held in the Cockcroft Lecture Theatre).

The lectures listed below are not organised by the Mathematics Faculty (which has no responsibility for them) but they are intended to be of interest to students of Mathematics.

MICHAELMAS 2019

LENT 2020

EASTER 2020

History of Mathematics

DR P. BURSILL-HALL

W. F. 4, *Centre for Mathematical Sciences, MR4*

History of Science for Mathmos

DR P. BURSILL-HALL

Th. 4, *Centre for Mathematical Sciences, MR4*

Ethics in Mathematics

DR M. CHIODO

Tu. 4, *Centre for Mathematical Sciences, MR4*

History of Mathematics

DR P. BURSILL-HALL

W. F. 4, *Centre for Mathematical Sciences, MR4*

History of Science for Mathmos

DR P. BURSILL-HALL

Th. 4, *Centre for Mathematical Sciences, MR4*

Philosophy of Mathematics

DR T. FORSTER

Tu. 4, *Centre for Mathematical Sciences, MR4*