

Lectures proposed by the Board of the Faculty of Mathematics

MATHEMATICAL TRIPOS

Lectures proposed by the Board of the Faculty of Mathematics. 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.

Note that the non-examinable courses on **Topics in the History of Mathematics** will be of interest to all students reading the Mathematical Tripos. Full details are given below.

PART IA

Lectures for Part IA of the Mathematical Tripos will be held in the *Cockcroft Lecture Theatre* unless otherwise stated.

Part IA students are recommended to attend the induction session which will be held from 9.30 a.m. to 10.30 a.m. on Wednesday 7 October 2015, in the *Babbage Lecture Theatre*.

A meeting will be held for all Part IA students on Friday 29 April 2016 at 2.00 p.m. in *Mill Lane Room 3* to discuss examinations and examination techniques.

MICHAELMAS 2015	LENT 2016	EASTER 2016
Numbers and Sets PROF. A. G. THOMASON M. W. F. 10	Vector Calculus PROF. R. JOZSA M. W. F. 10	Optimisation* DR Q. BERTHET M. W. F. 10, <i>Mill Lane Room 3</i> (Twelve lectures)
Vectors and Matrices PROF. N. PEAKE M. W. F. 11	Probability PROF. F. P. KELLY M. W. F. 11	Metric and Topological Spaces DR J. RASMUSSEN M. W. F. 11, <i>Mill Lane Room 3</i> (First lecture Th. 21 April, no lecture F. 22 April, twelve lectures)
Differential Equations PROF. C. P. CAULFIELD Tu. Th. S. 10	Analysis I DR A. ZSÁK Tu. Th. S. 10	Variational Principles PROF. P. K. TOWNSEND M. W. F. 12, <i>Mill Lane Room 3</i> (First lecture Th. 21 April, no lecture F. 22 April, twelve lectures)
Groups DR J. GOEDECKE Tu. Th. S. 11	Dynamics and Relativity PROF. G. I. OGILVIE Tu. Th. S. 11	Computational Projects* DR M. B. WINGATE Tu. Th. 10 (Eight lectures)

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

The following courses are non-examinable

Introduction to Mechanics

DR P. O'DONNELL

Tu. Th. 12, *Mill Lane Room 10* (Twelve lectures)

History of Mathematical Ideas: Ancient Mathematics

DR P. BURSILL-HALL

W. F. 4, *Centre for Mathematical Sciences, MR3*

History of Science for Mathmos: Early Sciences

DR P. BURSILL-HALL

Th. 4, *Centre for Mathematical Sciences, MR3*

* Examined in Part IB of the Tripos

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/#tripos/nst/IA/phy>

in Part IA Physics of the Natural Sciences Tripos. They will be required to do Physics practical work, and should attend at least the first lecture of the Scientific Computing Course.

The following courses are non-examinable

History of Mathematical Ideas: the Middle Ages to the Enlightenment

DR P. BURSILL-HALL

W. F. 4, *Centre for Mathematical Sciences, MR3*

History of Science for Mathmos: Early Sciences

DR P. BURSILL-HALL

Th. 4, *Centre for Mathematical Sciences, MR3*

The following courses are non-examinable

~~Concepts in Theoretical Physics~~ – CANCELLED

~~DR D. D. BAUMANN~~

~~Tu. Th. 11 (Eight lectures)~~

History of 19th Century Mathematics

DR P. BURSILL-HALL AND STUDENTS

W. F. 4, *Centre for Mathematical Sciences, MR3*