

**MATHEMATICAL TRIPOS, PART II**

Lectures will be held in the Meeting Rooms (MR) of the *Centre for Mathematical Sciences, Clarkson Road*, unless otherwise stated.

Part II students are recommended to attend the induction session which will be held on Wednesday 3 October 2018, 2 p.m. to 3 p.m. in the *Babbage Lecture Theatre*.

A meeting will be held on Wednesday 12 June 2019 for finalists who may continue to Part III of the Tripos in 2019-20. The meeting will be held in *MR2* at the Centre for Mathematical Sciences at 11.15 a.m.

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

**C COURSES****MICHAELMAS 2018****Cosmology**

DR E. PAJER  
M. W. F. 9, *MR4*

**Number Theory**

PROF. A. J. SCHOLL  
M. W. F. 10, *MR2*

**Classical Dynamics**

PROF. G. I. OGILVIE  
M. W. F. 12, *MR9*

**Automata and Formal Languages**

DR M. CHIODO  
Tu. Th. S. 12, *MR3*

**LENT 2019****Further Complex Methods**

DR B. GROISMAN  
M. W. F. 9, *MR9*

**Coding and Cryptography**

DR R. D. CAMINA  
M. W. F. 10, *MR2*

**Quantum Information & Computation**

PROF. R. JOZSA  
M. W. F. 11, *MR3*

**Topics in Analysis**

PROF. T. W. KÖRNER  
Tu. Th. S. 10, *MR4*

**Mathematical Biology**

DR R. ADHIKARI  
Tu. Th. S. 11, *MR2*

**Statistical Modelling**

DR S. BACALLADO  
Tu. Th. S. 12, *MR9* (Sixteen lectures) and *CATAM Room* (Eight practicals)

**EASTER 2019**

## D COURSES

### MICHAELMAS 2018

#### **Linear Analysis**

DR R. BAUERSCHMIDT  
M. W. F. 9, *MR3*

#### **Fluid Dynamics**

PROF. R. R. KERSWELL  
M. W. F. 10, *MR4*

#### **Principles of Quantum Mechanics**

DR D. B. SKINNER  
M. W. F. 11, *MR2*

#### **Probability and Measure**

PROF. E. BREUILLARD  
M. W. F. 11, *MR3*

#### **Algebraic Topology**

DR H. WILTON  
M. W. F. 12, *MR3*

#### **Principles of Statistics**

DR Q. BERTHET  
M. W. F. 12, *MR4*

#### **Galois Theory**

PROF. P. M. H. WILSON  
Tu. Th. S. 9, *MR2*

#### **Numerical Analysis**

DR A. SHADRIN  
Tu. Th. S. 9, *MR4*

#### **Dynamical Systems**

PROF. J. R. GOG  
Tu. Th. S. 10, *MR3*

#### **Riemann Surfaces**

DR H. KRIEGER  
Tu. Th. 10, *MR4*

#### **Graph Theory**

DR P. A. RUSSELL  
Tu. Th. S. 11, *MR2*

### LENT 2019

#### **Logic and Set Theory**

PROF. I. B. LEADER  
M. W. F. 9, *MR2*

#### **Applications of Quantum Mechanics**

PROF. D. TONG  
M. W. F. 10, *MR3*

#### **Analysis of Functions**

PROF. C. MOUHOT  
M. F. 11, *MR4*

#### **General Relativity**

DR U. SPERHAKE  
M. W. F. 12, *MR2*

#### **Algebraic Geometry**

PROF. I. GROJNOWSKI  
M. W. F. 12, *MR4*

#### **Applied Probability**

PROF. G. R. GRIMMETT  
M. W. F. 12, *MR9*

#### **Representation Theory**

DR S. MARTIN  
Tu. Th. S. 9, *MR2*

#### **Asymptotic Methods**

DR A. I. PESCI  
Tu. Th. 9, *MR3*

#### **Statistical Physics**

PROF. N. S. MANTON  
Tu. Th. S. 10, *MR2*

#### **Stochastic Financial Models**

DR S. ANDRES  
Tu. Th. S. 10, *MR3*

#### **Differential Geometry**

PROF. M. DAFERMOS  
Tu. Th. S. 11, *MR4*

### EASTER 2019

**Integrable Systems**

DR C. WARNICK

Tu. Th. 11, *MR9***Electrodynamics**

PROF. N. DOREY

Tu. Th. 12, *MR4***Number Fields**

PROF. J. A. THORNE

Tu. Th. 12, *MR3***Waves**

DR S. J. COWLEY

Tu. Th. S. 12, *MR4*

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

**Laboratory Demonstrations in Fluid Dynamics**

PROF. S. B. DALZIEL

M. Tu. W. 2-3:30 every second week, starting 15

October, *Fluids Laboratory*

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*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.*

**History of Mathematics**

DR P. BURSILL-HALL

W. F. 4, *MR3***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, *MR3***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*