

## FACULTY OF MATHEMATICS

## COURSES INTENDED FOR GRADUATES (non-examinable)

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

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

## MICHAELMAS 2015

**Descriptive Set Theory**

PROF. A. MATHIAS  
M. W. F. 9, *MR14*

**p-adic Families of Modular Forms**

DR G. ROSSO  
Tu. Th. 9, *MR11*

**Philosophical Aspects of Quantum Field Theory**

DR J. N. BUTTERFIELD, DR A. CAULTON  
Th. 4:30-6, *MR4*

## LENT 2016

**Nonlinear Wave Equations**

DR J. W. LUK  
M. W. F. 9, *MR14*

**Algebraic Surfaces**

PROF. I. GROJNOWSKI  
M. W. F. 10, *MR11*

**Function Spaces**

DR S. DEMOULINI  
M. W. F. 10, *MR12*

**Optimal Transportation**

DR D. J. H. GARLING  
M. W. F. 11, *MR12*

**Topics in Algebraic Geometry**

DR T. L. KELLY  
M. W. F. 12, *MR5* (Sixteen lectures)

**Canonical Metrics on Kahler Manifolds**

DR C. SPOTTI  
Tu. Th. 10, *MR12*

**Compressed Sensing and Sampling Theory**

DR A. C. HANSEN  
Tu. Th. 11, *MR11*

**Topics in Ramsey Theory**

DR B. P. NARAYANAN  
Tu. Th. 11, *MR14*

## EASTER 2016

**WQOs and BQOs**

DR T. E. FORSTER  
M. W. F. 10, *MR5*

**Advanced Topics in Many-Particle Systems**

PROF. C. MOUHOT  
M. Tu. Th. 10-12, *MR14*

**Homogenization of PDEs**

DR H. HUTRIDURGA  
M. Tu. Th. F. 12, *MR4*

**Concentration Inequalities**

PROF. S. BOUCHERON  
Tu. Th. 10-12, *MR12* (Lectures start Tu. 10 May, 24 lectures in total)

**Overdetermined PDEs**

DR M. DUNAJSKI  
Tu. Th. 11, *MR4*

**Continuous Optimization for Imaging**

PROF. A. CHAMBOLLE  
Th. F. 2-4 (for full schedule and room numbers, see <http://talks.cam.ac.uk/show/index/58183>)

**Monotone Cellular Automata**

DR P. J. SMITH

Tu. Th. 12, *MR12*

**Spinor Techniques in General Relativity**

MS I. M. M. BORZYM, DR P. O'DONNELL

Tu. Th. S. 12, *MR13*

**Topics in Geometric Analysis**

PROF. N. WICKRAMASEKERA

Tu. Th. 12, *MR14* (Lectures start Th. 21 January,  
sixteen lectures in total)

**Spacetime in the Light of Particle Physics**

DR J. B. PITTS

W. 4:30-6, *MR4*