

## 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 timetable, which you can import into your own electronic calendar, please see <http://www.timetable.cam.ac.uk>.

## MICHAELMAS 2017

**Topics in Geometric Group Theory**

DR H. WILTON  
M. W. F. 10, *MR12*

**Philosophical Aspects of Quantum Field Theory**

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

## LENT 2018

**Hamiltonian General Relativity**

DR J. B. PITTS  
W. 9:30-11:00, *MR11*

**Introduction to Optimal Transport**

DR M. THORPE  
M. F. 10, *MR14* (Twelve lectures)

**Topics in Number Theory**

PROF A. J. SCHOLL  
M. W. F. 11, *MR11*

**Topics in Random Graphs**

DR R. H. MONTGOMERY  
Tu. Th. 11, *MR11*

**Nonlinear Wave Equations**

DR J. KEIR  
Tu. 11, *MR12*

**Spinor Techniques in General Relativity**

MS I. M. M. BORZYM, DR P. O'DONNELL  
Tu. Th. S. 12, *MR12*

**Examples of Shimura Varieties**

PROF. I. GROJNOWSKI  
M. W. F. 1, *MR11*

## EASTER 2018

**Variational Methods for Partial Differential Equations**

PROF. P. A. MARKOWICH  
M. W. F. 10, *MR4* (Twelve lectures)

**Function Spaces**

DR S. DEMOULINI  
M. Tu. Th. F. 11, *MR4* (Sixteen lectures)