**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](http://www.timetable.cam.ac.uk).

### MICHAELMAS 2017

<table>
<thead>
<tr>
<th>Topic</th>
<th>Lecturer(s)</th>
<th>Days</th>
<th>Time</th>
<th>Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>Topics in Geometric Group Theory</td>
<td>Dr. H. Wilton</td>
<td>M. W. F.</td>
<td>10, MR12</td>
<td></td>
</tr>
<tr>
<td>Philosophical Aspects of Quantum Field Theory</td>
<td>Dr. J. N. Butterfield</td>
<td>Th.</td>
<td>4:30-6, MR4</td>
<td></td>
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### LENT 2018

<table>
<thead>
<tr>
<th>Topic</th>
<th>Lecturer(s)</th>
<th>Days</th>
<th>Time</th>
<th>Room</th>
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</thead>
<tbody>
<tr>
<td>Hamiltonian General Relativity</td>
<td>Dr. J. B. Pitts</td>
<td>W.</td>
<td>9:30-11:00, MR11</td>
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</tr>
<tr>
<td>Examples of Shimura Varieties</td>
<td>Prof. I. Grojnowski</td>
<td>M. W. F.</td>
<td>11, MR11</td>
<td></td>
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<tr>
<td>Teichmüller Theory</td>
<td>Dr. S. M. Antonakoudis</td>
<td>F.</td>
<td>12, MR11</td>
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<tr>
<td>Topics in Number Theory</td>
<td>Prof. A. J. Scholl</td>
<td>Tu. Th. S.</td>
<td>9, MR9 (Lectures start Th. 1 February, sixteen lectures in total)</td>
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<tr>
<td>Nonlinear Wave Equations</td>
<td>Dr. J. Keir</td>
<td>Tu.</td>
<td>11, MR12</td>
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### EASTER 2018

<table>
<thead>
<tr>
<th>Topic</th>
<th>Lecturer(s)</th>
<th>Days</th>
<th>Time</th>
<th>Room</th>
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<tbody>
<tr>
<td>Variational Methods for Partial Differential Equations</td>
<td>Prof. P. A. Markowich</td>
<td>M. W. F.</td>
<td>10, MR4 (Twelve lectures)</td>
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<tr>
<td>Topics in Random Graphs</td>
<td>Dr. R. H. Montgomery</td>
<td>Tu. Th.</td>
<td>11, MR11</td>
<td></td>
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<tr>
<td>Spinor Techniques in General Relativity</td>
<td>Ms I. M. M. Borzym, Dr. P. O'Donnell</td>
<td>Tu. Th. S.</td>
<td>12, MR12</td>
<td></td>
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