## MATHEMATICAL SCIENCES DIVISION OF MATHEMATICAL AND PHYSICAL SCIENCES Lecture List for Michaelmas Term 2025

There may be late changes and amendments to this Lecture List. For an up-to-date version, please check the Mathematical Institute Website: <a href="https://www.maths.ox.ac.uk/members/students/lecture-lists">https://www.maths.ox.ac.uk/members/students/lecture-lists</a>

This version was updated on September 18, 2025

Events shown on this list are generally one hour long unless stated otherwise.

| Subject  | Lecturer   | Time*   | Place                         |
|--|--|---|-------------------------------|
| GRADUATE SEMINARS                                    |  |   |                               |
| Algebra Seminar                                      | Prof. Dan Ciubotaru  | Tue. 2-3  | L6, Mathematical Institute    |
| Algebraic Geometry Seminar                           | Prof. Frances Kirwan   | Tue. 3:30–5   | L4, Mathematical Institute    |
| Applied Topology Seminar                             |  | Fri. 3-4  | L5, Mathematical Institute    |
| Combinatorics Seminar                                | Prof. Alex Scott   | Thu. 2-3:30   | L4, Mathematical Institute    |
| Computational Mathematics and Applications           | Prof. Mike Giles   | Thu. 2-3  | L3, Mathematical Institute    |
| Fridays@4  | Prof. Vidit Nanda  | Fri. 4-5  | L1, Mathematical Institute    |
| Functional Analysis                                  | Prof. Stuart White   | Tue. 4-5  | C3, Mathematical Institute    |
| Geometric Group Theory                               | Prof. Dawid Kielak   | Mon. 4.45-6 (Week 1 only)                                 | L5, Mathematical Institute    |
| Geometry and Analysis                                | Prof Frances Kirwan and Prof. Guillem Cazassus                             | Mon. 2.15–3.15  | L4, Mathematical Institute    |
| Industrial and Applied Mathematics                   |  | Thur. 12-13   | L3, Mathematical Institute    |
| Junior Algebra & Representation Theory seminar       | Jonas Antor, Mick Gielen   | Fri. 12-1   | N3.12, Mathematical Institute |
| Junior Combinatorics seminar                         | Jane Tan, Freddie<br>Illingworth   | TBC   | C4, Mathematical Institute    |
| Junior Geometry Seminar                              | George Cooper, Andres<br>Ibanez Nunez, Gilles<br>Englebert                 | TBC   | L4, Mathematical Institute    |
| Junior Topology and Group<br>Seminar                 | Adele Jackson  | Wed. 4-5  | L6, Mathematical Institute    |
| Logic  | Prof. Jonathan Pila, Prof<br>Ehud. Hrushovski, Prof.<br>Jochen Koenigsmann | Thu. 5-6  | L3, Mathematical Institute    |
| Mathematical and Computational Biology               | Prof. Philip Maini, Dr Peter<br>Minary                                     | Fri 11-12   | L4, Mathematical Institute    |
| Mathematical and<br>Computational Finance<br>Seminar | Prof. Rama Cont and Dr<br>Nazem Khan                                       | Thur. 4-5 (except week 6)<br>Thur. 3-4 (week 6 only – L2) | L5, Mathematical Institute    |
| Mathematical Geoscience                              | Prof lan Hewitt  | TBC   | L4, Mathematical Institute    |
| Networks Seminar                                     | Erik Hormann   | Tue. 2-3  | C4, Mathematical Institute    |
| Nonlinear PDE  | Prof. Gui-Qiang Chen   | Th. 3:15–5:45   | C5, Mathematical Institute    |
| Number Theory  | Aleksander Horawa and<br>Lasse Grimmelt                                    | Thu. 4-5  | L4, Mathematical Institute    |
| Numerical Analysis Internal<br>Seminar               | Prof. Mike Giles   | Thu. 12-1   | L4, Mathematical Institute    |

| Oxford Data Science Seminar   | Duef Malauia Wahan   | Mars 0.0  | L.E. Mathamatical Institute   |
|---|--|---|---|
|   | Prof. Melanie Weber  | Mon. 2-3  | L5, Mathematical Institute  |
| Partial Differential Equations<br>Seminar   | Prof. Andrea Modino and<br>Prof. Qian Wang   | Mon. 4.30-5:30  | L4, Mathematical Institute  |
| OxPDE lunchtime seminar   | Dr Ben Fehrman and<br>Eliana Fausti  | Thu. 12-1   | C5, Mathematical Institute  |
| Probability   | Prof. Christina<br>Goldschmidt   | Mon. 2-3  | L5, Mathematical Institute  |
| Quantum Field<br>Theory/Relativity/Amplitudes   | Prof. Lionel Mason and Prof. Chris Beem  | Fri. 12–1:30  | L6, Mathematical Institute  |
| Random Matrix Theory<br>Seminar   | Prof Jon Keating   | Tue. 12-1   | L6, Mathematical Institute  |
| Stochastic Analysis Internal<br>Seminar   | Prof. Massimiliano<br>Gubinelli  | Wed. 11-1   | L4, Mathematical Institute  |
| Stochastic Analysis and<br>Mathematical Finance<br>Seminar  | Prof. Rama Cont and Prof.<br>Massimiliano Gubinelli  | Mon. 3:30-4:30  | L3, Mathematical Institute  |
| String Theory   |  | Tue. 1-2:30   | L2, Mathematical Institute  |
| Topology Seminar  | Prof. André Henriques<br>and<br>Prof. Panos Papazoglou   | Mon. 3:30-4:30  | L5, Mathematical Institute  |
| Wolfson Centre for<br>Mathematical Biology Journal Club   |  | Mon. 12-1   | L4, Mathematical Institute  |
| GRADUATE WORKSHOPS  |  |   | l   |
| WORKSHOPS   |  |   |   |
| ADVANCED CLASSES  |  |   |   |
| Topology  | Prof André Henriques and<br>Dr. Lukas Brantner   | Mon. 11–12:30   | C1, Mathematical Institute  |
| GRADUATE LECTURES   |  |   |   |
| Absorption Method in Combinatorics  | Alp Muyesser   | Fri. 11-12:30 (except week 1)   | C6, Mathematical Institute  |
| Dynamical techniques in Ramsey  | Matthew Bowen  | Mon. 11-13 (except week 1)  | C2, Mathematical Institute  |
| tneory  | ļ  |   |   |
| TAUGHT COURSE CENTRE  |  |   |   |
| TAUGHT COURSE CENTRE  The Taught Course Centre is a col Oxford and Warwick. It aims to off will be used so that audiences in a advance in order to attend the lect please see the website at <a href="https://w.new.new.new.new.new.new.new.new.new.ne&lt;/td&gt;&lt;td&gt;fer approximately 25 graduat&lt;br&gt;ill five universities can partici&lt;br&gt;ures. For more information a&lt;br&gt;ww.maths.ox.ac.uk/groups/t&lt;/td&gt;&lt;td&gt;te level courses over the academic&lt;br&gt;pate in the lectures. Graduate stu&lt;br&gt;about the Taught Course Centre,&lt;/td&gt;&lt;td&gt;c year. Access grid technology idents should register in&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;TAUGHT COURSE CENTRE  The Taught Course Centre is a col Oxford and Warwick. It aims to off will be used so that audiences in a advance in order to attend the lect please see the website at &lt;a href=" https:="" w"="">https://w</a> EPSRC CDT in MATHEMATICS C   | fer approximately 25 graduat<br>ill five universities can partici<br>ures. For more information a<br>www.maths.ox.ac.uk/groups/t   | te level courses over the academic<br>pate in the lectures. Graduate stu<br>about the Taught Course Centre, a | c year. Access grid technology idents should register in and for their lecture timetable,   |
| TAUGHT COURSE CENTRE  The Taught Course Centre is a col Oxford and Warwick. It aims to off will be used so that audiences in a advance in order to attend the lect please see the website at <a <="" href="https://www.https://www.https://www.https://&lt;/td&gt;&lt;td&gt;fer approximately 25 graduat&lt;br&gt;ill five universities can partici&lt;br&gt;ures. For more information a&lt;br&gt;ww.maths.ox.ac.uk/groups/t&lt;/td&gt;&lt;td&gt;te level courses over the academic&lt;br&gt;pate in the lectures. Graduate stu&lt;br&gt;about the Taught Course Centre,&lt;/td&gt;&lt;td&gt;c year. Access grid technology idents should register in&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;TAUGHT COURSE CENTRE  The Taught Course Centre is a col Oxford and Warwick. It aims to off will be used so that audiences in a advance in order to attend the lect please see the website at &lt;a href=" https:="" td="" ww.https:="" www.https:=""><td>fer approximately 25 graduat fill five universities can partici ures. For more information a ww.maths.ox.ac.uk/groups/t  OF RANDOM SYSTEMS  Prof. Jared Tanner  COMPUTATIONAL FINANCE</td><td>te level courses over the academic pate in the lectures. Graduate stuabout the Taught Course Centre, acc</td><td>c year. Access grid technology idents should register in and for their lecture timetable,</td></a>  | fer approximately 25 graduat fill five universities can partici ures. For more information a ww.maths.ox.ac.uk/groups/t  OF RANDOM SYSTEMS  Prof. Jared Tanner  COMPUTATIONAL FINANCE  | te level courses over the academic pate in the lectures. Graduate stuabout the Taught Course Centre, acc      | c year. Access grid technology idents should register in and for their lecture timetable,   |
| TAUGHT COURSE CENTRE  The Taught Course Centre is a col Oxford and Warwick. It aims to off will be used so that audiences in a advance in order to attend the lect please see the website at <a href="https://w">https://w</a> EPSRC CDT in MATHEMATICS C  C6.5 Theories of Deep Learning  M.Sc IN MATHEMATICAL AND C  Financial Computing with C++   | fer approximately 25 graduat<br>fl five universities can partici<br>ures. For more information a<br>www.maths.ox.ac.uk/groups/t<br>DF RANDOM SYSTEMS   | te level courses over the academic pate in the lectures. Graduate stuabout the Taught Course Centre, acc      | c year. Access grid technology idents should register in and for their lecture timetable,  Mathematical Institute, L2  Mathematical Institute, L3 |
| TAUGHT COURSE CENTRE  The Taught Course Centre is a col Oxford and Warwick. It aims to off will be used so that audiences in a advance in order to attend the lectroplease see the website at <a href="https://www.https://www&lt;/td&gt;&lt;td&gt;fer approximately 25 graduat fill five universities can partici ures. For more information a www.maths.ox.ac.uk/groups/t  DF RANDOM SYSTEMS  Prof. Jared Tanner  COMPUTATIONAL FINANCE  Dr Greg Gyurko  Dr. Leandro Sanchez- Betancourt&lt;/td&gt;&lt;td&gt;te level courses over the academic pate in the lectures. Graduate stuabout the Taught Course Centre, acc&lt;/td&gt;&lt;td&gt;Mathematical Institute, L3  Mathematical Institute, L3  Mathematical Institute, L3&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;TAUGHT COURSE CENTRE  The Taught Course Centre is a col Oxford and Warwick. It aims to off will be used so that audiences in a advance in order to attend the lectroplease see the website at &lt;a href=" https:="" td="" www.https:="" www<=""><td>fer approximately 25 graduat five universities can particill five universities can particill five universities can particill five universities can particill five universities can participate for more information and www.maths.ox.ac.uk/groups/tope</td><td>te level courses over the academic pate in the lectures. Graduate stuabout the Taught Course Centre, acc</td><td>c year. Access grid technology idents should register in and for their lecture timetable,  Mathematical Institute, L2  Mathematical Institute, L3</td></a> | fer approximately 25 graduat five universities can particill five universities can particill five universities can particill five universities can particill five universities can participate for more information and www.maths.ox.ac.uk/groups/tope | te level courses over the academic pate in the lectures. Graduate stuabout the Taught Course Centre, acc      | c year. Access grid technology idents should register in and for their lecture timetable,  Mathematical Institute, L2  Mathematical Institute, L3 |
| ,   | fer approximately 25 graduat fill five universities can partici ures. For more information a www.maths.ox.ac.uk/groups/t  DF RANDOM SYSTEMS  Prof. Jared Tanner  COMPUTATIONAL FINANCE  Dr Greg Gyurko  Dr. Leandro Sanchez- Betancourt                | te level courses over the academic pate in the lectures. Graduate stuabout the Taught Course Centre, acc      | Mathematical Institute, L3  Mathematical Institute, L3  Mathematical Institute, L3  |

| Stochastic Calculus  | Prof. Michael Monoyios  | Mon. 09-11  | Mathematical Institute, L3                            |
|--|---|---|---|
| M.Sc IN MATHEMATICAL AND                                     | THEORETICAL PHYSICS   |   |   |
| Anyons and Topological Field<br>Theory                       | Prof. Steve Simon   | Mon. 11:30-12:30 (weeks 1-4 only)  Tue. 14-15 (weeks 1-4 only)  Thur. 15-17 (weeks 1 and 3)                       | Department of Physics,<br>Lindemann / DWB Fisher Room |
|  |   | Fri. 10-12 (weeks 2 and 4)  |   |
| C3.4 Algebraic Geometry                                      | Prof. Damian Rössler  | Thu. 10-11<br>Fri. 10-11  | Mathematical Institute, L4                            |
| C3.1 Algebraic Topology                                      | Prof. Andras Juhasz   | Mon. 11-12  | Mathematical Institute, L1/L5                         |
| C3.3 Differentiable Manifolds                                | Prof. Dominic Joyce   | Tue. 12-13  Thu. 11-12  Fri. 12-13  | Mathematical Institute, L4/L5                         |
| C7.5 General Relativity I                                    | Prof. Chris Couzens   | Mon. 15-16<br>Wed. 15-16  | Mathematical Institute, L1                            |
| C6 Quantum Matter 1  | Prof. Steve Simon   | Mon. 09-10 (weeks 5-8 only) Tue. 12-13 (weeks 5-7 only) Wed. 10-11 (week 8 only) Thur. 15-17 (weeks 4, 5, 7 only) | Department of Physics,<br>Lindemann/Dennis Sciama     |
| Groups and Representations                                   | Prof. Andre Lukas   | Tue. 10-12 Thur. 14-15 (except week 4)  | Department of Physics,<br>Lindemann                   |
| Kinetic Theory   | Prof. Paul Dellar, Prof. Alex Schekochihin, Dr Chris Hamilton | Mon. 10-11:30 (except week 2) Mon. 15-17 (weeks 1,2,3,7,8) Tue. 12-13   | Department of Physics,<br>Lindemann                   |
| C6.1 Numerical Linear Algebra                                | Prof. Yuji Nakatsukasa  | Tue. 16-17<br>Thu. 16-17  | Mathematical Institute, L1/L2                         |
| C5.5 Perturbation Methods                                    | Prof. Ruth Baker  | Mon. 11-12<br>Tue. 11-12  | Mathematical Institute, L4                            |
| Quantum Field Theory   | Prof. John Wheater  | Mon. 14-15<br>Tue. 15-16<br>Wed. 09-10  | Department of Physics,<br>Lindemann                   |
| Quantum Processes in Hot<br>Plasma                           | Prof. Peter Norreys   | Tue. 14-16  | Department of Physics, DWB Fisher Room                |
| M.Sc IN MATHEMATICAL MODI                                    | ELLING AND SCIENTIFIC C                                       | OMPUTING  |   |
| CORE Supplementary Applied                                   | Prof. Andreas Muench  | Fri. 09-11  | Mathematical Institute, L5                            |
| Mathematics  |   |   |   |
| B5.2 Applied PDEs  | Prof. Peter Howell  | Mon. 12-13<br>Thu. 14-15  | Mathematical Institute, L1/ L2                        |
| B6.1 Numerical Solution of<br>Partial Differential Equations | Prof Endre Süli   | Tue. 12-13<br>Fri. 12-13  | Mathematical Institute, L4/L5                         |
| C6.1 Numerical Linear Algebra                                | Prof. Yuji Nakatsukasa  | Tue. 16-17<br>Thu. 16-17  | Mathematical Institute, L1/L2                         |

| Mathematical            | Prof. Chris Breward and           | Mon. 14-16               | Mathematical Institute        |
|-------------------------|-----------------------------------|--------------------------|-------------------------------|
| Modelling               | Prof. Robin Thompson              |                          | L2/L5                         |
| Additional Skills       | Dr Kathryn Gillow                 | Tue. 15-16<br>Wed. 14-16 | Mathematical Institute        |
| Practical Numerical     | Dr Kathryn Gillow                 | Mon. 16-17               | L5 Mathematical Institute     |
| Analysis                | Di Rattilyti Gillow               | Wed. 10-11               | L2/L5                         |
| SPECIAL TOPICS          |                                   |                          |                               |
| B5.5 Further            | Prof. Philip Maini                | Tue. 09-10               | Mathematical Institute,       |
| Mathematical Biology    |                                   | Thu. 09-10               | L4                            |
| B6.3 Integer            | Dr. Jari Fowkes                   | Wed. 16-17               | Mathematical                  |
| Programming             |                                   | Fri. 16-17               | Institute, L2                 |
| Machine Learning        | Dr. Lida Kanari                   | Fri. 14-15               | Mathematical                  |
|                         |                                   |                          | Institute, L4                 |
| C5.11 Mathematical      | Prof. Ian Hewitt                  | Mon. 09-10               | Mathematical Institute,       |
| Geoscience              |                                   | Wed. 11-12               | L5/6                          |
| C5.12 Mathematical      | Prof. Ian Griffiths               | Wed. 12-13               | Mathematical Institute,       |
| Physiology              |                                   | Thu. 11-12               | L4/L5                         |
| C5.5 Perturbation       | Prof. Ruth Baker                  | Mon. 11-12               | Mathematical Institute,       |
| Methods                 |                                   | Tue. 11-12               | L4                            |
| C6.5 Theories of        | Prof. Jared Tanner                | Wed. 11-13               | Mathematical Institute,       |
| Deep<br>Learning        |                                   |                          | L2                            |
| C5.7 Topics in Fluid    | Prof. Eamonn Gaffney              | Tue. 14-15               | Mathematical Institute,       |
| Mechanics               |                                   | Thu. 15-16               | L5/L6                         |
| B5.3 Viscous Flow       | Prof. Chris Breward               | Mon. 10-11               | Mathematical Institute,       |
|                         |                                   | Tue. 10-11               | L5/ L4                        |
| M.Sc IN MATHEMAT        | TICAL SCIENCES                    |                          |                               |
|                         | or MATHEMATICS Part C/OMMS all ap |                          |                               |
| M.Sc IN MATHEMAT        | TICS AND THE FOUNDATIONS OF CO    | OMPUTER SCIENCE          |                               |
| Section A: Mathema      | atical Foundations                |                          |                               |
| Schedule I              |                                   |                          |                               |
| C3.1 Algebraic          | Prof. Andras Juhasz               |                          | Mathematical Institute,       |
| Topology                | 1 Tot. 7 Maras Garlasz            | Mon. 11-12               | L1/L5                         |
| 00.7.0-1                | Doct Andre Handana                | Tue. 12-13               | NA-41                         |
| C2.7 Category<br>Theory | Prof. Andre Henriques             | Tue. 11-12               | Mathematical Institute, L5/L1 |
| ,                       |                                   | Thu. 11-12               |                               |
| C1.1 Model Theory       | Dr. Jamshid Derakhshan            | Mon. 09-10               | Mathematical Institute,       |
|                         |                                   | Wed. 12-13               | L6                            |
| B3.5 Topology and       | Prof. Andre Henriques             | Tue. 14-15               | Mathematical Institute,       |
| Groups                  |                                   | Thu. 14-15               | L1                            |
| Schedule II             | <u> </u>                          |                          | I                             |
| C3.4 Algebraic          | Prof. Damian Rössler              | Thu. 10-11               | Mathematical Institute,       |
| Geometry                |                                   | Fri. 10-11               | L4                            |
| C2.2 Homological        | Prof. Kobi Kremnitzer             | Wed. 09-10               | Mathematical Institute,       |
| Algebra                 |                                   |                          | L4                            |
|                         |                                   | Fri. 15-16               |                               |

| C2.4 Infinite Groups        | Prof. Panos Papazoglou    | N 40.44                                 | Mathematical                   |
|-----------------------------|---------------------------|---|--------------------------------|
|                             | 1 3                       | Mon. 10-11                              | Institute, L6                  |
|                             |                           | Wed. 10-11                              | monato, 20                     |
| Section B: Applicable       | le Theories               |   |                                |
| Schedule I                  |                           |   |                                |
| Categories, Proofs          | Prof. Bartek Klin         | Mon 11-12                               | Department of Computer         |
| and Processes               |                           | Wed. 11-12                              | Science,                       |
|                             |                           | Fri. 11-12 (weeks 1-4 only)             | Tony Hoare Room                |
|                             |                           |   | •                              |
| B8.5 Graph Theory           | Prof. Oliver Riordan      | Tue. 16-17                              | (RHB)  Mathematical Institute, |
|                             |                           | Fri. 11-12                              | L2                             |
| B8.4 Information            | Prof. Sam Cohen           | T., 45.40                               | Mathematical Institute,        |
| Theory                      |                           | Tue. 15-16                              | L1                             |
| B6.3 Integer                | Dr. Jari Fowkes           | Fri. 12-13<br>Wed. 16-17                | Mathematical                   |
| Programming                 | DI. Jan Fowkes            | Fri. 16-17                              |                                |
|                             |                           | ·                                       | Institute, L2                  |
| Schedule II                 |                           |   |                                |
| C8.3 Combinatorics          | Prof. Alex Scott          | Tue. 11-13                              | Mathematical Institute,        |
|                             |                           |   |                                |
| MATHEMATICS                 |                           |   |                                |
| Prelims                     |                           |   |                                |
| Introduction to             | Dr. James Munro           | Mon. 09-10 (week 1 only)                | Mathematical Institute,        |
| University                  |                           | Tue. 09-10 (week 1 only)                | L1                             |
| Mathematics                 |                           | , |                                |
| Introduction to             | Dr. Luciana Bonatto       | Tue. 10-11                              | Mathematical Institute,<br>L1  |
| Complex                     |                           | Fri. 09-10                              | LI                             |
| Numbers<br>Linear Algebra I | Dr. Luciana Bonatto       |   | Mathematical Institute,        |
| Elilodi 7 ligobid i         | Dr. Edolaria Boriatto     | Tue. 09-10 (week 2 onwards)             | L1                             |
|                             |                           | Fri. 09-10 (week 2 onwards)             |                                |
| Geometry                    | Prof. Alain Goriely       | Mon. 10-11                              | Mathematical Institute,        |
|                             |                           | Tue. 10-11                              | L1                             |
| Analysis I                  | Dr. Richard Earl          | Mon. 09-10 (week 2 onwards)             | Mathematical Institute,        |
|                             |                           | Thu. 09-10                              | L1                             |
| Introductory Calculus       | Prof. Emmanuel Breuillard |   | Mathematical Institute,        |
| ,                           |                           | Thu. 10-11                              | L1                             |
| Probability                 | Prof. Matthias Winkel     |   | Mathematical Institute,        |
| ,                           |                           | Wed. 09-10<br>Fri. 10-11                | L1                             |
| Computational               | Prof. Patrick Farrell     |   | Mathematical Institute,        |
| Mathematics                 | 1 Tot. 1 dirloct direit   | Fri. 11-12 (weeks 1 and 2 only)         | L1                             |
| Fridovo@2                   | Prof. Chris Hollings      | Fri. 14-15                              | Mathematical Institute,        |
| Fridays@2                   | Piol. Cillis Hollings     | FII. 14-13                              | L1                             |
| Part A                      |                           |   |                                |
| A0 Linear Algebra           | Prof. Alexander Ritter    | Mon. 09-10 (except week 2)              | Mathematical Institute,        |
| Au Lilleal Algebia          | FIOI. Alexander Miller    | Tue. 09-10 (week 2 only)<br>Thu. 09-10  | L2                             |
|                             |                           | 111u. 05-10                             | _                              |
| A1 Differential             | Prof. Philip Maini        | Mon. 10-11                              | Mathematical Institute,        |
| Equations I                 |                           | Wed. 10-11 (week 4 only)                | L2                             |
|                             |                           | Fri. 09-10 (except week 4)              |                                |
| A2.1 Metric                 | Prof. Alan Lauder         | Mon. 09-10 (week 2 only)                | Mathematical Institute,        |
| Spaces                      |                           | Tue. 09-10 (except week 2)              | L2                             |
|                             |                           | Wed. 09-10                              |                                |

| A2.2 Compley  | Prof. Dmitry Polycov     | Tue 44.40   | Mathematical Institute, L2        |
|---|--------------------------|---|-----------------------------------|
| A2.2 Complex<br>Analysis                              | Prof. Dmitry Belyaev     | Tue. 11-12<br>Fri. 10-11  | ,                                 |
| A8 Probability  | Prof. James Martin       | Mon. 11-12<br>Tue. 10-11  | Mathematical Institute,<br>L2     |
| A11 Quantum Theory                                    | Dr Mark Mezei            | Wed. 10-11 (except week 4) Thu. 10-11   | Mathematical Institute,<br>L2     |
| Fridays@2   | Prof. Chris Hollings     | Fri. 09-10 (week 4 only)<br>Fri. 14-15  | Mathematical Institute,           |
| Part B  |                          |   | LI                                |
| B1.1 Logic  | Prof. Martin Bays        | Thu. 15-16<br>Fri. 15-16  | Mathematical Institute,<br>L1     |
| B2.1 Introduction to                                  | Prof. Konstantin Ardakov | Mon. 14-15  | Mathematical Institute,           |
| Representation<br>Theory                              |                          | Thu. 11-12  | L1/L2                             |
| B3.2 Geometry of<br>Surfaces                          | Prof. Hulya Arguz        | Tue. 09-10<br>Fri. 16-17  | Mathematical Institute,<br>L5     |
| B3.5 Topology and<br>Groups                           | Prof. Andre Henriques    | Tue. 14-15<br>Thu. 14-15  | Mathematical Institute,<br>L1     |
| B4.1 Functional<br>Analysis I                         | Prof. Stuart White       | Tue. 12-13 (except week 7) Thu. 12-13 (except week 7) Wed. 16-17 (weeks 6&8 only) | Mathematical Institute,<br>L2/L1  |
| B5.2 Applied PDEs                                     | Prof. Peter Howell       | Mon. 12-13<br>Thu. 14-15  | Mathematical Institute,<br>L1/ L2 |
| B5.3 Viscous Flow                                     | Prof. Chris Breward      | Mon. 10-11<br>Tue. 10-11  | Mathematical Institute,<br>L5/ L4 |
| B5.5 Further  | Prof. Philip Maini       | Tue. 09-10  | Mathematical Institute,           |
| Mathematical Biology                                  |                          | Thu. 09-10  | L4                                |
| B6.1 Numerical<br>Solution of<br>Partial Differential | Prof Endre Süli          | Tue. 12-13<br>Fri. 12-13  | Mathematical Institute,<br>L3/L2  |
| Equations B6.3 Integer Programming                    | Dr. Jari Fowkes          | Wed. 16-17<br>Fri. 16-17  | Mathematical Institute, L2        |
| B7.1 Classical<br>Mechanics                           | Prof. Lionel Mason       | Mon. 11-12<br>Tue. 11-12  | Mathematical Institute,<br>L5/L6  |
| B8.1 Probability,<br>Measure and                      | Prof. Harald Oberhauser  | Mon. 16-17<br>Wed. 12-13  | Mathematical Institute,<br>L1     |
| Martingales B8.4 Information Theory                   | Prof. Sam Cohen          | Tue. 15-16  | Mathematical Institute,<br>L1     |
| B8.5 Graph Theory                                     | Prof. Oliver Riordan     | Fri. 12-13<br>Tue. 16-17<br>Fri. 11-12  | Mathematical Institute,<br>L2     |
| BO1.1 History of<br>Mathematics                       | Dr Christopher Hollings  | Wed. 14-16  | Mathematical Institute,<br>L6     |
| BSP Structured<br>Projects                            | Dr Cath Wilkins          | Mon. 14-16 (week 1 only)  | Mathematical Institute,<br>L5     |

| SB1.1 Applied                 | Dr Neil Laws & Prof.        | Mon. 09-10 (weeks 1-7 only)            | Department of Statistics         |
|-------------------------------|-----------------------------|--|----------------------------------|
| Statistics                    | François Caron              | ,                                      |                                  |
|                               |                             | Tue. 14-15 (weeks 1-6 only)            |                                  |
|                               |                             |  |                                  |
|                               |                             |  |                                  |
| SB2.1 Foundations of          | f Prof. Anastasia Ignatieva |  | Department of Statistics         |
| Statistical Inference         | 1 Tol. 7 madiadia ignatiova | Mon. 11-12                             | Doparation of Gladous            |
| 101 Early Modern              | Prof. Paul Lodge            | Wed. 09-10<br>Tue. 10-11               | Examination Schools              |
| Philosophy:                   | Prof. Paul Louge            | Tue. 10-11                             | (Room                            |
| Descartes<br>101 Early Modern | Prof Peter Millican         | Wed. 10-11                             | 6/1) Examination Schools         |
| Philosophy:                   | Proi Peter Millican         | Wed. 10-11                             | (Room                            |
| Hume<br>122 Philosophy        | Prof. Beau Mount            | Mon. 12-13                             | 6) Schwarzman Centre             |
|                               | Prof. Beau Mount            | IVIOI1. 12-13                          | (Lecture Theatre)                |
| of Mathematics                |                             |  | (Edotard Tributio)               |
| Fridays@2                     | Prof. Chris Hollings        | Fri. 14-15                             | Mathematical Institute,<br>L1    |
| Part C / OMMS                 |                             |  |                                  |
| C1.1 Model Theory             | Dr. Jamshid Derakhshan      | Mon. 09-10                             | Mathematical Institute,          |
|                               |                             | Wed. 12-13                             | L6                               |
| C1.4 Axiomatic Set            | Dr. Robin Knight            | Tue. 10-11                             | Mathematical Institute,          |
| Theory                        |                             |  | L5/L6                            |
| C2.2 Homological              | Prof. Kobi Kremnitzer       | Fri. 09-10                             | Mathematical Institute,          |
| Algebra                       | Troi. Rosi Richmitzer       | Wed. 09-10                             | L4                               |
| 00.41-5-4-0                   | Doct Days a Days and a      | Fri. 15-16                             | NA (I C I                        |
| C2.4 Infinite Groups          | Prof. Panos Papazoglou      | Mon. 10-11                             | Mathematical                     |
|                               |                             | Wed. 10-11                             | Institute, L6                    |
| C2.7 Category                 | Prof. Andre Henriques       | Tue. 11-12                             | Mathematical Institute,          |
| Theory                        |                             |  | L5/L1                            |
|                               |                             | Thu. 11-12                             |                                  |
| C3.1 Algebraic<br>Topology    | Prof. Andras Juhasz         | Mon. 11-12                             | Mathematical Institute,<br>L1/L5 |
| гороюду                       |                             | Tue. 12-13                             | LIVES                            |
| C3.3 Differentiable           | Prof. Dominic Joyce         | Thu. 11-12                             | Mathematical Institute,          |
| Manifolds                     |                             | Fri. 12-13                             | L4/L5                            |
| C3.4 Algebraic                | Prof. Damian Rössler        | Thu. 10-11                             | Mathematical Institute,          |
| Geometry                      |                             | Fri. 10-11                             | L4                               |
| C3.7 Elliptic Curves          | Prof. James Newton          |  | Mathematical Institute,          |
|                               |                             | Tue. 15-16                             | L2/ L6                           |
| C3.8 Analytic                 | Prof. Ben Green             | Thu. 09-10                             | Mathematical Institute,          |
| Number Theory                 |                             | Mon. 12-13 (except week 4)             | L4/L5                            |
|                               |                             | Wed. 10-11 (except week 4)             |                                  |
| C4.1 Further                  | Prof. Jan Kristensen        | Fri. 09-10 (weeks 3&5 only) Tue. 09-10 | Mathematical Institute,          |
| Functional                    | 1 101. Jan Knatensen        | Thu. 10-11                             | L6                               |
| Analysis C4.3 Functional      | Prof. Andrea Mondino        | Mon. 11.12 (wook 1 only)               | Mathematical Institute,          |
| Analytic                      | i ioi. Anurea Monufflo      | Mon. 11-13 (week 1 only)<br>Fri. 15-16 | L6                               |
| Methods for PDEs              |                             |  |                                  |
| C5.2 Elasticity and           | Prof. Jim Oliver            | Wed. 09-10                             | Mathematical Institute,          |
| Plasticity                    |                             | Fri. 11-12                             | L6                               |
| C5.5 Perturbation             | Prof. Ruth Baker            | Mon. 11-12                             | Mathematical Institute,          |
| Methods                       |                             |  | L4                               |
|                               |                             | Tue. 11-12                             |                                  |

| C5.7 Topics in Fluid         | Prof. Eamonn Gaffney               |   | Mathematical Institute,         |
|------------------------------|------------------------------------|---|---------------------------------|
| ·                            | Fior. Earnorin Gainley             | Tue. 14-15  | L5/L6                           |
| Mechanics                    |                                    | Thu. 15-16  |                                 |
| C5.11 Mathematical           | Prof. Ian Hewitt                   | Mon. 09-10  | Mathematical Institute,<br>L5/6 |
| Geoscience                   |                                    | Wed. 11-12  | L5/0                            |
| C5.12 Mathematical           | Prof. Ian Griffiths                | Wed. 12-13  | Mathematical Institute,         |
| Physiology                   |                                    | Thu. 11-12  | L4/L5                           |
| C6.1 Numerical               | Prof. Yuji Nakatsukasa             | Tue. 16-17  | Mathematical Institute,         |
| Linear Algebra               |                                    | Thu. 16-17  | L1/L2                           |
| C6.5 Theories of             | Prof. Jared Tanner                 | Wed. 11-13  | Mathematical Institute,         |
| Deep                         |                                    |   | L2                              |
| Learning                     |                                    |   |                                 |
| C7.5 General<br>Relativity I | Prof. Chris Couzens                | Mon. 15-16  | Mathematical Institute,         |
| relativity i                 |                                    | Wed. 15-16  |                                 |
| C8.1 Stochastic              | Prof.                              | Tue. 16-18  | Mathematical                    |
| Differential Equations       | Massimiliano                       |   | Institute, L5                   |
|                              | Gubinelli                          |   |                                 |
| C8.3 Combinatorics           | Prof. Alex Scott                   | Tue. 11-13  | Mathematical Institute,         |
|                              |                                    |   | L1                              |
| CCS2 Quantum                 | Prof. Aleks Kissinger              | TBD   | Department of Computer          |
| Processes and                | 1 Tot. Aleks Nissinger             | 155   | Science, LTA                    |
|                              |                                    |   | Science, LTA                    |
| Computation                  |                                    |   |                                 |
| SC1 Stochastic<br>Models in  | Prof. Simon Myers                  | Mon. 16-17 (Weeks 1-8)<br>Wed. 14-15 (Weeks 1 & 3-8)      | Department of Statistics        |
| Mathematical                 |                                    | Fri. 11-12 (Week 2 only)                                  |                                 |
| Genetics                     |                                    |   |                                 |
| SC2 Probability and          | Prof. Gesine Reinert               | Mon 15-16 (Weeks 1-7 only)<br>Fri. 12-13 (Weeks 1-7 only) | Department of Statistics        |
| Statistics for               |                                    | Practical - Wed. 15-16 (Weeks 2 & 6 only)                 |                                 |
| Network Analysis             |                                    |   |                                 |
| SC6 Graphical                | Prof. Robin Evans                  | Tue. 16-17  | Department of Statistics        |
| Models                       |                                    | Thu. 16-17  |                                 |
| SC7 Bayes Methods            | Prof. Geoff Nicholls               | Tue. 15-16 (except week 4)<br>Wed. 15-16 (week 4 only)    | Department of Statistics        |
|                              |                                    | Thu. 15-16  |                                 |
| SC9 Probability              | Prof. Christina                    | Tue. 09-10  | Department of Statistics        |
| on Graphs and                | Goldschmidt/ Dr<br>Joost Jorritsma | Wed. 10-11  |                                 |
| Lattices                     | Joost Johnsma                      |   |                                 |
| SC10                         | Prof. David Janz                   | Mon. 14-15  | Department of Statistics        |
| Algorithmic                  |                                    | Thu. 14-15  |                                 |
| Foundations of               |                                    |   |                                 |
| Learning                     |                                    |   |                                 |
|                              | Prof. Chris Hollings               | Fri. 14-15  | Mathematical Institute,         |
| i naayswz                    | i ioi. Oiliis i loilligs           | i ii. 1 <del>4-</del> 13                                  | L1                              |
| COMPUTER SCIENC              | E                                  |   |                                 |
| Prelims                      |                                    |   |                                 |
| Functional                   | Prof. Andrzej Murawski             | Mon. 10-11  | Department of Computer          |
| Programming                  | ,                                  | Wed. 10-11  | Science, LTA                    |
|                              |                                    |   | -,                              |
| Discrete Mathematics         | Prof. Andreas Galanis              | Tue. 10-11  | Department of Computer          |
|                              |                                    | Thur. 10-11   | Science, LTA                    |
|                              |                                    |   | 25.555, 277                     |

| Linear Algebra             | Prof. Stefan Kiefer    | Tue. 09-10                  | Department of Computer  |
|----------------------------|------------------------|-----------------------------|-------------------------|
|                            |                        | Thur. 09-10                 | Science, LTA            |
| Probability                | Prof. Matthias Winkel  | Wed. 09-10                  | Mathematical Institute, |
|                            |                        | Fri. 10-11                  |                         |
| MATHEMATICS A              | ND COMPUTER SCIENCE    |                             |                         |
| Prelims                    |                        |                             |                         |
| Functional                 | Prof. Andrzej Murawski | Mon. 10-11                  | Department of Computer  |
| Programming                |                        | Wed. 10-11                  | Science, LTA            |
| Introduction to University | Dr. James Munro        | Mon. 09-10 (week 1 only)    | Mathematical Institute, |
| Mathematics                |                        | Tue. 09-10 (week 1 only)    |                         |
| Introduction to            | Dr. Luciana Bonatto    | Tue. 10-11                  | Mathematical Institute, |
| Complex                    |                        | Fri. 09-10                  | L1                      |
| Numbers                    |                        |                             |                         |
| Analysis I                 | Dr. Richard Earl       | Mon. 09-10 (week 2 onwards) | Mathematical Institute, |
|                            |                        | Thu. 09-10                  |                         |
| Linear Algebra I           | Dr. Luciana Bonatto    | Tue. 09-10 (week 2 onwards) | Mathematical Institute, |
|                            |                        | Fri. 09-10 (week 2 onwards) | L1                      |
| Probability                | Prof. Matthias Winkel  | Wed. 09-10                  | Mathematical Institute, |
|                            |                        | Fri. 10-11                  | L1                      |
| COMPUTER SCIE              | NCE                    |                             |                         |

| Part A                             |                           |                                |                        |
|------------------------------------|---------------------------|--------------------------------|------------------------|
| Core                               |                           |                                |                        |
| Concurrent Programming             | Prof. Vincent Cheval      | Tue. 12-13                     | Department of Computer |
|                                    |                           | Thur. 12-13                    | Science, LTA           |
| Models of Computation              | Prof Bernardo Cuenca Grau | Mon. 12-13                     | Department of Computer |
|                                    |                           | Wed. 12-13                     | Science, LTA           |
| Part A / Part B                    |                           |                                |                        |
| Schedule S1                        |                           |                                |                        |
| Combinatorial Optimisation         | Prof. Standa Živný        | Mon. 10-11 (10-11:30 weeks 1-  | Department of Computer |
|                                    |                           | 4)                             | Science, 051           |
|                                    |                           | Wed 10-11 (10-11:30 weeks 1-4) |                        |
|                                    | Prof. Irina Voiculescu    | Mon. 14-15 (except week 1)     | Department of Computer |
| Computer Graphics                  |                           | Tue. 10-11 (week 1 only)       | Science, LTB           |
|                                    |                           | Wed. 10-11 (week 1 only)       |                        |
|                                    |                           | Thur. 14-15 (except week 2)    |                        |
| Computer Aided Formal              | Prof. David Parker        | Mon. 11-12                     | Department of Computer |
| Computer-Aided Formal Verification |                           | Wed. 11-12                     | Science, LTA           |
|                                    | Prof. Bill Roscoe         | Wed. 14-15                     | Department of Computer |
| Concurrency                        |                           | Fri. 14-15                     | Science, LTB           |
|                                    | Prof. Sergii Strelchuk    | Tue. 09-10                     | Department of Computer |
| Databases                          |                           | Thur. 09-10                    | Science, LTB           |
| Geometric Modelling                | Prof. Joe Pitt-Francis    | Mon. 11-12 (except week 8)     | Department of Computer |
|                                    |                           | Wed. 11-12 (except week 8)     | Science, LTB           |
|                                    |                           | Fri. 11-12 (weeks 1&2 only)    |                        |

| Machine Learning              | Dr Seth Flaxman                  | Tue. 14-16 (weeks 1-4 only)                               | Department of Computer                 |
|-------------------------------|----------------------------------|---|--|
| masimis Learning              | Br Gourr Idaman                  | Tue. 15-16 (weeks 5-8 only)                               | Science, LTA                           |
|                               |                                  | Wed. 15-16  | 20101100, 2171                         |
| Principles of Programming     | Dr Sam Staton                    | Thur. 15-16   | Department of Computer                 |
| Languages                     |                                  | Fri. 10-11  | Science, LTB/LTA                       |
| Quantum Information           | Prof. Jonathan Barrett           | Tue. 11-12<br>Thur. 11-12                                 | Department of Computer<br>Science, LTA |
| Scientific Computing          | Prof. Jonathan Whiteley          | Mon. 09-10<br>Wed. 09-10                                  | Department of Computer<br>Science, LTA |
| Schedule S2                   |                                  |   |  |
| Lectures under Mathematics Pa | art B: B8.4, B6.3 are applicable |   |  |
| Part C                        |                                  |   |  |
| Schedule C1                   |                                  |   |  |
| Categories, Proofs and        | Prof. Bartek Klin                | Mon. 11-12  | Department of Computer                 |
| Processes                     |                                  | Wed. 11-12  | Science, Tony Hoare Room               |
|                               |                                  | Fri. 11-12 (weeks 1-4 only)                               | (RHB)                                  |
| Combinatorial Optimisation    | Prof. Standa Živný               | Mon. 10-11 (10-11:30 weeks 1-                             | Department of Computer                 |
|                               |                                  | 4)<br>Wed 10-11 (10-11:30 weeks 1-<br>4)                  | Science, 051                           |
| Computational Biology         | Prof. Peter Minary               | Tue. 09-10  | Department of Computer                 |
|                               |                                  | Thur. 09-10   | Science, Tony Hoare Room               |
|                               |                                  | Fri. 09-10 (weeks 1-4 only)                               | (RHB)                                  |
| Computational Game            | Prof. Elias Koutsoupias /        | Thur. 14-16 (weeks 1-4 only)                              | Department of Computer                 |
| Theory                        | Prof Michael Wooldridge          | Thur. 15-16 (weeks 5-8 only)<br>Fri. 15-16                | Science, LTA                           |
| Computer Vision               | Prof. Christian Rupprecht        | Mon. 14-15  | Department of Computer                 |
|                               |                                  | Tue. 16-17<br>Fri. 14-15 (weeks 1-4 only)                 | Science, LTA                           |
| Concurrent Algorithms and     | Dr Hanno Nickau                  | Mon. 12-13 (except week 8)                                | Department of Computer                 |
| Data Structures               |                                  | Wed. 12-13 (except week 8)<br>Fri. 12-13 (weeks 1-6 only) | Science, LTB                           |
| Distributed                   | Prof. Nobuko Yoshida             | Mon. 09-11 (weeks 1-6)                                    | Department of Computer                 |
| Processes, Types              |                                  | Wed. 09-11 (weeks 3-6)                                    | Science, Tony Hoare Room               |
| and Programming               |                                  |   | (RHB)                                  |
| Law and Computer Science      | Prof. Rebecca                    | Tue. 11-13  | Department of Computer                 |
|                               | Williams/Prof. Tom               |   | Science, Law Faculty,                  |
|                               | Melham                           |   | Strachey/RHB                           |
|                               | 1                                |   |  |
| Probabilistic Model Checking  | Prof. Marta Kwiatkowska          | Thur. 10-12 (weeks 1-6 only)                              | Department of Computer                 |
|                               |                                  | Thur. 10-11 (week 8 only)<br>Fri. 10-11 (except week 8)   | Science, LTB                           |
| Uncertainty in Deep Learning  | Prof. Yarin Gal                  | Tues. 14-16 (weeks 1-4)                                   | Department of Computer                 |
|                               |                                  | Thur. 12-13 (weeks 1-4)<br>Thur. 12-14 (weeks 5-8)        | Science, LTB                           |
| MATHEMATICS & COMPUTER        | R SCIENCE                        |   |  |
| Part A                        |                                  |   |  |
| Core                          |                                  |   |  |
|                               |                                  |   |  |

| Models of Computation          | Prof Bernardo Cuenca Grau            | Mon. 12-13                                 | Department of Computer                         |
|--------------------------------|--------------------------------------|--|--|
| modele of Computation          | Troi Bomardo Gaorica Grad            | Wed. 12-13                                 | Science, LTA                                   |
| In addition, the lectures unde | <br>r Mathematics Part A, except Dif | l<br>ferential Equations I, are applicable |  |
| Part A / Part B                | , I                                  |  | <u>.                                      </u> |
| Schedule S1(M&CS)              |                                      |  |  |
| Combinatorial Optimisation     | Prof. Standa Živný                   | Mon. 10-11:30 (weeks 1-4)                  | Department of Computer                         |
|                                |                                      | Mon. 10-11(weeks 5-8)                      | Science, 051                                   |
|                                |                                      | Wed. 10-11:30 (weeks 1-4)                  | Goldfied, 601                                  |
|                                |                                      | Wed. 10-11(weeks 5-8)                      |  |
| Concurrent Programming         | Prof. Vincent Cheval                 | Tue. 12-13                                 | Department of Computer                         |
|                                |                                      | Thur. 12-13                                | Science, LTA                                   |
| Geometric Modelling            | Prof. Joe Pitt-Francis               | Mon. 11-12 (except week 8)                 | Department of Computer                         |
|                                |                                      | Wed. 11-12 (except week 8)                 | Science, LTB                                   |
|                                | D 0 # 51                             | Fri. 11-12 (weeks 1&2 only)                | D + + (0 +                                     |
| Machine Learning               | Dr Seth Flaxman                      | Tue. 14-16 (weeks 1-4 only)                | Department of Computer                         |
|                                |                                      | Tue. 15-16 (weeks 5-8 only)<br>Wed. 15-16  | Science, LTA                                   |
|                                |                                      | Wed. 13-10                                 |  |
| Principles of Programming      | Dr Sam Staton                        | Thur. 15-16                                | Department of Computer                         |
| Languages                      |                                      | Fri. 10-11                                 | Science, LTB/LTA                               |
| Schedule S2(M&CS)              |                                      |  |  |
|                                | Part R: R1 1, R2 5, are applicable   | e. In addition you may apply to take       | other tonics from the full list of             |
|                                |                                      | . III addition you may apply to take       | outer topics from the full list of             |
| Mathematics Department cou     | rses                                 |  |  |
| Part C                         |                                      |  |  |
| Schedule C1 applies. Mathem    | natics Part C lectures all apply un  | der Schedule C2. See the handbo            | ok for recommended                             |
| Mathematics options.           |                                      |  |  |
| MATHEMATICS AND PHILO          | SOPHY                                |  |  |
| Prelims                        |                                      |  |  |
| Mathematics:                   |                                      |  |  |
|                                | Dr. James Menses                     |  | Mada   |
| Introduction to University     | Dr. James Munro                      | Mon. 09-10 (week 1 only)                   | Mathematical Institute, L1                     |
| Mathematics                    |                                      | Tue. 09-10 (week 1 only)                   |  |
| Introduction to Complex        | Dr. Luciana Bonatto                  | Tue. 10-11                                 | Mathematical Institute, L1                     |
| Numbers                        |                                      | Fri. 09-10                                 |  |
| Linear Algebra I               | Dr. Luciana Bonatto                  | Tue. 09-10 (week 2 onwards)                | Mathematical Institute, L1                     |
| Ü                              |                                      | Fri. 09-10 (week 2 onwards)                | ,  |
| Probability                    | Prof. Matthias Winkel                | Fil. 09-10 (week 2 oliwards)               | Mathematical Institute, L1                     |
| Frobability                    | PIOI. Matthas Willkei                | Wed. 09-10                                 | Mathematical institute, LT                     |
|                                |                                      | Fri. 10-11                                 |  |
| Analysis I                     | Dr. Richard Earl                     | Mon. 09-10 (week 2 onwards)<br>Thu. 09-10  | Mathematical Institute, L1                     |
| Introductory Calculus          | Prof. Emmanuel Breuillard            | NA 1 40 44                                 | Mathematical Institute, L1                     |
| Jacotory Odrodiuo              |                                      | Wed. 10-11                                 | saromasoa mostato, E1                          |
|                                |                                      | Thu. 10-11                                 |  |
| Philosophy:                    |                                      |  |  |
| 0 181"                         | Prof. Alex Kaiserman                 | Fri. 12-13                                 | Examination Schools (South                     |
| General Philosophy             |                                      |  | School)  |
| Introduction to Logic          | Dr. Marco Grossi                     | Mon. 12-13                                 | Examination Schools (South                     |
| ma oddollom to Logio           | D1. Maioo 010331                     | 191011. 12-10                              | ·  |
|                                |                                      |  | School)  |
| Part A Mathematics:            | <u> </u>                             |  |  |
| A0 Linear Algebra              | Prof. Alexander Ritter               | Mon. 09-10 (except week 2)                 | Mathematical Institute, L2                     |
| , to Elliour / ligobia         | 1 101. 7 HOXAIIAGI TAILGI            | Tue. 09-10 (week 2 only)                   | matiomation motitute, LZ                       |
|                                |                                      | Thu. 09-10                                 |  |

| Az. i Metilo Spaces               | FIOI. Alaii Laudei                  | Tue. 09-10 (except week 2) Wed. 09-10                      | Mattleffiation filstitute, L2   |
|-----------------------------------|-------------------------------------|--|---------------------------------|
| A2.2 Complex Analysis             | Prof. Dmitry Belyaev                | Tue. 11-12<br>Fri. 10-11                                   | Mathematical Institute, L2      |
| [These lectures are for compuls   | ory subjects]                       |  |                                 |
| Part B Mathematics                |                                     |  |                                 |
| B1.1 Logic                        | Prof. Martin Bays                   | Thu. 15-16<br>Fri. 15-16                                   | Mathematical Institute, L1      |
| [These lectures are for the comp  | oulsory subject "Foundations".      | Other courses listed under mather                          | natics Part B can be taken: see |
| the Mathematics & Philosophy s    | schedule of units.]                 |  |                                 |
| Part B Philosophy:                |                                     |  |                                 |
| 101 Early Modern Philosophy:      | Prof. Paul Lodge                    | Tue. 10-11   | Examination Schools (Room       |
| Descartes                         |                                     |  | 6/1)                            |
| 101 Early Modern Philosophy:      | Prof Peter Millican                 | Wed. 10-11   | Examination Schools (Room       |
| Hume                              |                                     |  | 6)                              |
| 122 Philosophy of                 | Prof. Beau Mount                    | Mon. 12-13   | Schwarzman Centre (Lecture      |
| Mathematics                       |                                     |  | Theatre)                        |
| [For further Philosophy lectures  | l<br>, please consult the Philosoph | y lecture list]  |                                 |
| Part C Mathematics: Logic         |                                     |  |                                 |
| C1.1 Model Theory                 | Dr. Jamshid Derakhshan              | 1  | Mathematical Institute, L6      |
| C1.1 Model Theory                 | Dr. Janishid Derakhshan             | Mon. 09-10   | Mathematical institute, Lo      |
| C1.4 Axiomatic Set Theory         | Dr. Robin Knight                    | Wed. 12-13   | Mathematical Institute, L5/L6   |
| C1.4 Axiomatic Set Theory         | Dr. Robin Knight                    | Tue. 10-11   | Wathernatical institute, L3/L0  |
| [See Philosophy list for Philosop | shy aubicata which may be off       | Fri. 09-10   |                                 |
| MATHEMATICS AND STATIST           |                                     | 51 GU.]  |                                 |
|                                   | 100                                 |  |                                 |
| Prelims                           |                                     |  |                                 |
| The lectures above for MATHEN     | MATICS Prelims all apply.           |  |                                 |
| Part A                            |                                     |  |                                 |
| The lectures above for Mathema    | atics Part A, on the compulsor      | y subjects of Algebra, Analysis, and                       | d Differential Equations, all   |
| apply.                            | •                                   | · · · · · · · · · · · · · · · · · · ·                      |                                 |
| Part B                            |                                     |  |                                 |
| SB1.1 Applied Statistics          | Dr Neil Laws & Prof.                | Man 00 10 (wasks 4.7 amb)                                  | Department of Statistics        |
| ••                                | François Caron                      | Mon. 09-10 (weeks 1-7 only)<br>Tue. 14-15 (weeks 1-6 only) |                                 |
|                                   |                                     |  |                                 |
|                                   |                                     |  |                                 |

Mon. 09-10 (week 2 only)

Mathematical Institute, L2

[Other courses listed under Mathematics Part B can be taken: B1, B2, B3, B4, B5, B6, B7, B8]

Prof. Anastasia Ignatieva

Part C

SB2.1 Foundations of

Statistical Inference

A2.1 Metric Spaces

Prof. Alan Lauder

Department of Statistics

Mon. 11-12

Wed. 09-10

| SC1 Stochastic Models in       | Prof. Simon Myers               | Mon. 16-17 (Weeks 1-8)                                      | Department of Statistics |
|--------------------------------|---------------------------------|---|--------------------------|
| Mathematical Genetics          |                                 | Wed. 14-15 (Weeks 1 & 3-8)                                  |                          |
| Mathematical Genetics          |                                 | Fri. 11-12 (Week 2 only)                                    |                          |
| SC2 Probability and Statistics | Prof. Gesine Reinert            | Mon 15-16 (Weeks 1-7 only)                                  | Department of Statistics |
| for Network Analysis           |                                 | Fri. 12-13 (Weeks 1-7 only) Practical - Wed. 15-16 (Weeks 2 |                          |
| 101 Ttotwork / tharyolo        |                                 | & 6 only)   |                          |
| SC6 Graphical Models           | Prof. Robin Evans               | Tue. 16-17  | Department of Statistics |
| CCC Crapmour Models            | T TOI. TODIT EVALID             | Thu. 16-17  | Bopartmont of Ctationics |
| SC7 Bayes Methods              | Prof. Geoff Nicholls            | Tue. 15-16 (except week 4)                                  | Department of Statistics |
|                                |                                 | Wed. 15-16 (week 4 only)                                    |                          |
|                                |                                 | Thu. 15-16  |                          |
| SC9 Probability on Graphs      | Prof. Christina                 | Tue. 09-10  | Department of Statistics |
| and Lattices                   | Goldschmidt/ Dr                 | Wed. 10-11  |                          |
| and Lattices                   | Joost Jorritsma                 |   |                          |
| SC10 Algorithmic               | Prof. David Janz                | Mon. 14-15  | Department of Statistics |
| Foundations of Learning        |                                 | Thu. 14-15  |                          |
| [Other courses under Mathema   | tics Part C can also be taken.] | 1   |                          |
|                                |                                 |   |                          |