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

All Part III and PhD students in the Faculty are able to self-enrol on Part III Moodle courses; they will be sent instructions on how to do so. All other members of the University wishing to access these courses are requested to complete the relevant form in the Part III Guide to Courses.

There will be a meeting on the morning of Wednesday 4 October for those intending to offer courses in Part III. Students should refer to the Notes for New Part III Students for further details.

There is a series of meetings for Part III students on Wednesdays at 4.15pm. Students are invited to refer to the Part III Handbook for more details.

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

<table>
<thead>
<tr>
<th>Michaelmas 2023</th>
<th>Lent 2024</th>
<th>Easter 2024</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Relativity</td>
<td>Algebraic Number Theory</td>
<td>Applications of Quantum Field Theory</td>
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<tr>
<td>Prof. C. M. Warnick</td>
<td>Dr H. Wiersema</td>
<td>Prof. S. A. Hartnoll</td>
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<tr>
<td>M. W. F. 9, MR2</td>
<td>M. W. F. 9, MR3</td>
<td>M. Tu. Th. F. 11, MR3</td>
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<tr>
<td>Advanced Probability</td>
<td>Field Theory in Cosmology</td>
<td>Gravitational Waves and Numerical Relativity</td>
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<td>Prof. P. Sousi</td>
<td>Prof. E. Pajer</td>
<td>Prof. U Sperhake</td>
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<td>M. W. F. 9, MR3</td>
<td>M. W. F. 9, MR4</td>
<td>M. Tu. Th. F. 12, MR3</td>
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<tr>
<td>Lie Algebras and Their Representations</td>
<td>Stochastic Calculus and Applications</td>
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<tr>
<td>Prof. S. Martin</td>
<td>Prof. J. Miller</td>
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<tr>
<td>M. W. F. 9, MR9</td>
<td>M. W. F. 9, MR5</td>
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<tr>
<td>Biological Physics and Fluid Dynamics</td>
<td>Spectral Computations in Infinite Dimensions</td>
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<tr>
<td>Prof. R. Goldstein</td>
<td>and Applications in Data Science</td>
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<tr>
<td>M. W. F. 9, MR12</td>
<td>Dr M. Colbrook</td>
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<td>M. W. 9, MR11</td>
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<tr>
<td>Course</td>
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<td>Time</td>
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<td>-------------------------------------------------</td>
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<tr>
<td>Combinatorics §</td>
<td>Prof. B. Bollobas</td>
<td>M. W. F. 10,</td>
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<tr>
<td>Algebraic Geometry</td>
<td>Dr D. Ranganathan</td>
<td>M. W. F. 10,</td>
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<tr>
<td>Quantum Information, Foundations and Gravity</td>
<td>Prof. A. P. A. Kent</td>
<td>W. F. 10,</td>
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<tr>
<td>Slow Viscous Flow §</td>
<td>Prof. J. R. Lister</td>
<td>M. W. F. 10,</td>
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<tr>
<td>Structure and Evolution of Stars</td>
<td>Prof. C. A. Tout</td>
<td>M. W. F. 10,</td>
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<tr>
<td>Quantum Field Theory</td>
<td>Dr A. Castro</td>
<td>M. W. F. 11,</td>
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<tr>
<td>Algebraic Topology</td>
<td>Prof. I. Smith</td>
<td>M. W. F. 11,</td>
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<tr>
<td>Approximation Theory</td>
<td>Dr A. Shadrin</td>
<td>M. W. 11,</td>
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<tr>
<td>Fluid Dynamics of the Solid Earth</td>
<td>Prof. M. G. Worster</td>
<td>M. W. F. 9,</td>
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<tr>
<td>Cubulating Spaces and Groups</td>
<td>Dr M. Arenas</td>
<td>M. W. 9,</td>
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<tr>
<td>Quantum Computation</td>
<td>Dr S. Subramanian</td>
<td>W. F. 9,</td>
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<td>Black Holes</td>
<td>Prof. H. S. Reall</td>
<td>M. W. F. 10,</td>
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<tr>
<td>Distribution Theory and Applications</td>
<td>Dr A. C. L. Ashton</td>
<td>M. W. 10,</td>
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<tr>
<td>Abelian Varieties</td>
<td>Prof. A. J. Scholl</td>
<td>M. W. F. 10,</td>
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<tr>
<td>Fluid Dynamics of the Environment</td>
<td>Prof. S. Dalziel, Dr R. Bhagat</td>
<td>M. W. F. 10,</td>
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<tr>
<td>Introduction to Additive Combinatorics</td>
<td>Prof. J. Wolf</td>
<td>M. W. F. 10,</td>
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*No lecture on 19 January. Additional lecture on 15 March.*
Model Theory and Non-Classical Logic  
Dr J. Siqueira  
M. W. F. 11, MR13

Astrophysical Fluid Dynamics  
Prof. R. Rafikov  
M. W. F. 11, MR14  
Extra lecture on 26 Oct at 2pm, MR9  
No lecture on 1 Nov

Category Theory  
Prof. P. T. Johnstone  
M. W. F. 12, MR4

Elliptic Curves  
Prof. T. Fisher  
M. W. F. 11, MR3

Elliptic Partial Differential Equations  
Prof. N. Wickramasekera, Dr G. Taujanskas  
M. W. F. 11, MR4

Quantum Entanglement in Many-body Physics  
Prof. F. Verstraete  
M. W. 11, MR9

Modern Statistical Methods ‡  
Dr S. Bacallado  
M. W. F. 12, MR9

Fluid Dynamics of Climate  
Prof. J. R. Taylor, Dr A. Ming  
M. W. F. 12, MR12

Solitons, Instantons and Geometry  
Prof. D. M. A. Stuart  
M. W. 11, MR12

Numerical Solution of Differential Equations  
Prof. A. Iserles  
M. W. F. 12, MR13

Large Cardinals  
Prof. B. Loewe  
M. F. 11, MR13

Planetary System Dynamics  
Prof. M. Wyatt  
M. W. F. 12, MR14

Advanced Financial Models  
Prof. M. R. Tehranchi  
M. W. F. 11, MR14
Commutative Algebra  
Dr O. Becker  
Tu. Th. S. 9, MR3

Topics in Statistical Theory  
Prof. R. Samworth  
Tu. Th. 9, MR5  
Starting 10 Oct. Additional lecture on 13 Oct, 4pm in MR5

Advanced Quantum Field Theory  
Dr R. A. Reid-Edwards  
M. W. F. 12, MR2

Geometric Group Theory  
Prof. H. Wilton  
M. W. F. 12, MR5

Functional Analysis §  
Dr A. Zsák  
Tu. Th. S. 9, MR13

Statistical Learning in Practice  
Dr R. Altmeyer  
M. W. F. 12, MR9

Statistical Field Theory  
Prof. C. E. Thomas  
Tu. Th. 10, MR2

Forcing and the Continuum Hypothesis  
Dr R. Matthews  
M. W. F. 12, MR13

Causal Inference  
Dr Q. Zhao  
Tu. Th. 10, MR5

Direct and Inverse Scattering of Waves  
Dr O. Rath Spivack  
M. W. 12, MR14

Differential Geometry  
Dr A. Kovalev  
Tu. Th. S. 10, MR9

The Standard Model  
Prof. D. Tong  
Tu. Th. S. 9, MR3

Cosmology  
Prof. B. D. Sherwin  
Tu. Th. S. 11, MR2

Introduction to Computational Complexity  
Prof. W. T. Gowers  
Tu. Th. 9, MR5

Lattice Models  
Prof. W. Werner  
Tu. Th. 11, MR5

Topics in Convex Optimisation  
Prof. H. Fawzi  
Tu. Th. 9, MR9
Information Theory  
Prof. I. Kontoyiannis  
Tu. Th. 11, MR9

Hydrodynamic Stability  
Prof. R. R. Kerswell  
Tu. Th. 9, MR12

Analysis of Partial Differential Equations  
Dr Z. Wyatt  
Tu. Th. S. 11, MR13

Schramm-Loewner Evolutions  
Dr Y. Yuan  
Tu. Th. 9, MR13

Symmetries, Fields and Particles  
Prof. M. Wingate  
Tu. Th. S. 11, MR2

Toric Varieties  
Dr R. Picciotto  
Tu. Th. 9, MR14

Ramsey Theory on Graphs  
Dr J. Sahasrabudhe  
Tu. Th. 12, MR4

Symplectic Topology  
Dr A. Ward  
Tu. Th. 10, MR4

Local Fields  
Dr R. Zhou  
Tu. Th. S. 12, MR5  
Starting 7 Oct

Robust Statistics  
Prof. P-L. Loh  
Tu. Th. 10, MR5

Statistics in Medical Practice +  
Dr C. Jackson and colleagues  
Tu. Th. 12, MR11 (twelve lectures)  
First lecture on 17 Oct, no lectures on 9 Nov or 28 Nov

Supersymmetry  
Prof. B. Allanach  
Tu. Th. 10, MR9

Perturbation Methods  
Prof. D. Abrahams  
Tu. Th. 12, MR12  
Extra lecture on Sat 21 October, 12pm, MR12  
No lecture on Th 26 October

Astrophysical Black Holes  
Dr D. Sijacki  
Tu. Th. 10, MR12

Theoretical Physics of Soft Condensed Matter  
Prof. M. E. Cates  
Tu. Th. 10, MR13
Group Cohomology
Dr C. J. B. Brookes
Tu. Th. 11, MR5

Topological Quantum Matter
Prof. B. Béri
Tu. Th. 11, MR9

Dynamics of Astrophysical Discs
Prof. H. Latter
Tu. Th. 11, MR12

Analysis of Survival Data +
Dr P. Treasure
Tu. Th. 11, MR13

String Theory
Prof D. B. Skinner
Tu. Th. S. 12, MR2

Concentration Inequalities
Dr V. Jog
Tu. Th. 12, MR3

Stochastic Processes in Biology
Dr M. Bruna
Tu. Th. 12, MR12

Laboratory Demonstrations in Fluid Dynamics
Prof. S. Dalziel
W. 2-3:30, Fluids Laboratory

+ These two courses constitute the 24-lecture course in Statistics in Medicine. For examination purposes, Statistics in Medicine is considered a Lent term course.
‡ Recordings for this course will only be made available as a reasonable adjustment for students with a recommendation for access to recordings.

§ There will be no recordings available for this course; the lecturer will make alternative accommodations for students with recommendations for reasonable adjustments that include access to recordings.