

EXAMINATION TIMETABLE FOR THE MATHEMATICAL TRIPOS PART III, 2025

All exams will be held in the meeting rooms of the Centre for Mathematical Sciences

Thursday 5 June 2025

| | | | |
|---------------------|-----|--|------------|
| 9:00 am to 12:00 pm | 102 | Lie Algebras and Their Representations | MR9 |
| 9:00 am to 12:00 pm | 301 | Quantum Field Theory | MR3,4,5,14 |
| 9:00 am to 12:00 pm | 316 | Planetary System Dynamics | MR9 |

Thursday 5 June 2025

| | | | |
|--------------------|-----|-----------------------------------|-----|
| 1:30 pm to 4:30 pm | 120 | Logic and Computability | MR5 |
| 1:30 pm to 4:30 pm | 205 | Modern Statistical Methods | MR3 |
| 1:30 pm to 4:30 pm | 332 | Fluid Dynamics of the Solid Earth | MR5 |

Friday 6 June 2025

| | | | |
|---------------------|-----|-----------------------|-------|
| 9:00 am to 11:00 am | 224 | Information Theory | MR3 |
| 9:00 am to 12:00 pm | 119 | Category Theory | MR5 |
| 9:00 am to 12:00 pm | 309 | General Relativity | MR4,9 |
| 9:00 am to 12:00 pm | 346 | Formation of Galaxies | MR5 |
| 9:00 am to 12:00 pm | 355 | Biological Physics | MR5 |

Friday 6 June 2025

| | | | |
|--------------------|-----|--|-----|
| 1:30 pm to 3:30 pm | 129 | Introduction to Additive Combinatorics | MR3 |
| 1:30 pm to 3:30 pm | 303 | Statistical Field Theory | MR3 |
| 1:30 pm to 4:30 pm | 115 | Differential Geometry | MR5 |
| 1:30 pm to 4:30 pm | 314 | Astrophysical Fluid Dynamics | MR5 |

Monday 9 June 2025

| | | | |
|---------------------|-----|----------------------------------|-------|
| 9:00 am to 11:00 am | 336 | Perturbation Methods | MR5 |
| 9:00 am to 12:00 pm | 106 | Functional Analysis | MR9 |
| 9:00 am to 12:00 pm | 136 | Local Fields | MR9 |
| 9:00 am to 12:00 pm | 207 | Statistics in Medicine | MR4 |
| 9:00 am to 12:00 pm | 302 | Symmetries, Fields and Particles | MR3,4 |

Monday 9 June 2025

| | | | |
|--------------------|-----|-------------------------------|-----|
| 1:30 pm to 3:30 pm | 324 | Quantum Computation | MR5 |
| 1:30 pm to 4:30 pm | 113 | Algebraic Geometry | MR4 |
| 1:30 pm to 4:30 pm | 215 | Mixing Times of Markov Chains | MR3 |
| 1:30 pm to 4:30 pm | 310 | Cosmology | MR3 |
| 1:30 pm to 4:30 pm | 326 | Inverse Problems | MR4 |
| 1:30 pm to 4:30 pm | 329 | Slow Viscous Flow | MR3 |

Tuesday 10 June 2025

| | | | |
|---------------------|-----|----------------------------------|-------|
| 9:00 am to 11:00 am | 318 | Approximation Theory | MR5 |
| 9:00 am to 12:00 pm | 101 | Commutative Algebra | MR9 |
| 9:00 am to 12:00 pm | 166 | Diophantine Analysis | MR9 |
| 9:00 am to 12:00 pm | 201 | Advanced Probability | MR3,4 |
| 9:00 am to 12:00 pm | 317 | Structure and Evolution of Stars | MR9 |

Tuesday 10 June 2025

| | | | |
|--------------------|-----|--------------------------------------|-----|
| 1:30 pm to 3:30 pm | 128 | Forcing and the Continuum Hypothesis | MR4 |
| 1:30 pm to 3:30 pm | 208 | Concentration Inequalities | MR3 |
| 1:30 pm to 4:30 pm | 162 | Intersection Theory | MR5 |
| 1:30 pm to 4:30 pm | 306 | String Theory | MR5 |

Wednesday 11 June 2025

| | | | |
|---------------------|-----|---|-----|
| 9:00 am to 12:00 pm | 125 | Elliptic Curves | MR3 |
| 9:00 am to 12:00 pm | 209 | Random Structures in Finite-Dimensional Space | MR3 |
| 9:00 am to 12:00 pm | 219 | Astrostatistics | MR9 |
| 9:00 am to 12:00 pm | 312 | Field Theory in Cosmology | MR4 |
| 9:00 am to 12:00 pm | 333 | Fluid Dynamics of Climate | MR4 |

Wednesday 11 June 2025

| | | | |
|--------------------|-----|---|-----|
| 1:30 pm to 3:30 pm | 343 | Quantum Entanglement in Many-Body Physics | MR5 |
| 1:30 pm to 4:30 pm | 126 | Abelian Varieties | MR4 |
| 1:30 pm to 4:30 pm | 163 | Fourier Restriction Theory and Applications | MR3 |
| 1:30 pm to 4:30 pm | 311 | Black Holes | MR3 |
| 1:30 pm to 4:30 pm | 345 | Fluid Dynamics of the Environment | MR4 |

Thursday 12 June 2025

| | | | |
|---------------------|-----|--|-----|
| 9:00 am to 11:00 am | 323 | Quantum Information Theory | MR5 |
| 9:00 am to 11:00 am | 358 | Spectral Computations in Infinite Dimensions | MR5 |
| 9:00 am to 12:00 pm | 150 | Analytic Number Theory | MR4 |
| 9:00 am to 12:00 pm | 202 | Stochastic Calculus with Applications to Finance | MR3 |

Thursday 12 June 2025

| | | | |
|--------------------|-----|---|-------|
| 1:30 pm to 3:30 pm | 335 | Direct and Inverse Scattering of Waves | MR14 |
| 1:30 pm to 4:30 pm | 107 | Elliptic Partial Differential Equations | MR4 |
| 1:30 pm to 4:30 pm | 133 | Geometric Group Theory | MR13 |
| 1:30 pm to 4:30 pm | 218 | Statistical Learning in Practice | MR9 |
| 1:30 pm to 4:30 pm | 304 | Advanced Quantum Field Theory | MR3,4 |
| 1:30 pm to 4:30 pm | 315 | Extrasolar Planets: Atmospheres and Interiors | MR5 |

Friday 13 June 2025

| | | | |
|---------------------|-----|--|-----|
| 9:00 am to 11:00 am | 221 | Causal Inference | MR4 |
| 9:00 am to 11:00 am | 307 | Supersymmetry | MR4 |
| 9:00 am to 11:00 am | 325 | Quantum Information, Foundations and Gravity | MR3 |
| 9:00 am to 11:00 am | 327 | Distribution Theory and Applications | MR3 |
| 9:00 am to 11:00 am | 344 | Theoretical Physics of Soft Condensed Matter | MR3 |
| 9:00 am to 12:00 pm | 118 | Complex Manifolds | MR5 |

Friday 13 June 2025

| | | | |
|--------------------|-----|--|-----|
| 1:30 pm to 3:30 pm | 109 | Combinatorics | MR3 |
| 1:30 pm to 3:30 pm | 210 | Topics in Statistical Theory | MR3 |
| 1:30 pm to 3:30 pm | 354 | Gauge/Gravity Duality | MR3 |
| 1:30 pm to 3:30 pm | 357 | Gravitational Waves and Numerical Relativity | MR3 |
| 1:30 pm to 4:30 pm | 114 | Algebraic Topology | MR5 |

Monday 16 June 2025

| | | | |
|---------------------|-----|---|-----|
| 9:00 am to 11:00 am | 144 | Model Theory | MR3 |
| 9:00 am to 11:00 am | 313 | Solitons, Instantons and Geometry | MR4 |
| 9:00 am to 11:00 am | 321 | Dynamics of Astrophysical Discs | MR4 |
| 9:00 am to 11:00 am | 342 | Topological Quantum Matter | MR3 |
| 9:00 am to 12:00 pm | 165 | Simplicial Homotopy Theory | MR5 |
| 9:00 am to 12:00 pm | 167 | Introduction to Geometric Representation Theory | MR5 |

Monday 16 June 2025

| | | | |
|--------------------|-----|--|-----|
| 1:30 pm to 3:30 pm | 130 | Ramsey Theory | MR5 |
| 1:30 pm to 3:30 pm | 352 | Non-Newtonian Fluid Mechanics | MR5 |
| 1:30 pm to 4:30 pm | 105 | Analysis of Partial Differential Equations | MR3 |

Tuesday 17 June 2025

| | | | |
|---------------------|-----|----------------------------------|-----|
| 9:00 am to 11:00 am | 111 | Coxeter Groups | MR9 |
| 9:00 am to 11:00 am | 164 | Entropy Methods in Combinatorics | MR9 |
| 9:00 am to 12:00 pm | 305 | The Standard Model | MR3 |

Tuesday 17 June 2025

| | | | |
|--------------------|-----|---|-----|
| 1:30 pm to 3:30 pm | 337 | Applications of Quantum Field Theory | MR5 |
| 1:30 pm to 4:30 pm | 359 | Mathematical Analysis of the Incompressible Navier-Stokes | MR3 |