

## TIMETABLE FOR THE MATHEMATICAL TRIPOS PART III, 2012

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### Thursday, 31 May, 2012

9:00 am to 11:00 am	10 Ramsey Theory	CMS 3
9:00 am to 11:00 am	27 Elliptic Curves	CMS 11
9:00 am to 12:00 pm	37 Applied Statistics	CMS 3
9:00 am to 12:00 pm	46 Quantum Field Theory	CMS 4,5,9,12

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### Thursday, 31 May, 2012

1:30 pm to 3:30 pm	15 Symplectic Geometry	CMS 4
1:30 pm to 3:30 pm	67 Quantum Computation	CMS 4
1:30 pm to 4:30 pm	25 Category Theory	CMS 3
1:30 pm to 4:30 pm	76 Perturbation and Stability Methods	CMS 3

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### Friday, 1 June, 2012

9:00 am to 12:00 pm	3 Representation Theory and Invariant Theory	CMS 3
9:00 am to 12:00 pm	12 Spectral Geometry	CMS 3
9:00 am to 12:00 pm	18 Abelian Varieties	CMS 3
9:00 am to 12:00 pm	34 Stochastic Calculus and Applications	CMS 4
9:00 am to 12:00 pm	50 Advanced Quantum Field Theory	CMS 9

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### Friday, 1 June, 2012

1:30 pm to 3:30 pm	35 Topics on Conformal Invariance and Randomness	CMS 4
1:30 pm to 3:30 pm	61 Dynamics of Astrophysical Discs	CMS 4
1:30 pm to 4:30 pm	20 Hamiltonian Dynamical Systems	CMS 3
1:30 pm to 4:30 pm	58 Black Holes	CMS 3

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### Monday, 4 June, 2012

9:00 am to 11:00 am	31 Random Matrices	CMS 4
9:00 am to 12:00 pm	13 Algebraic Geometry	CMS 9
9:00 am to 12:00 pm	56 General Relativity	CMS 3,4
9:00 am to 12:00 pm	70 Approximation Theory	CMS 9
9:00 am to 12:00 pm	75 Slow Viscous Flow	CMS 9

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### Monday, 4 June, 2012

1:30 pm to 4:30 pm	1 Lie Algebras and their Representations	CMS 4
1:30 pm to 4:30 pm	5 Introduction to Functional Analysis	CMS 4
1:30 pm to 4:30 pm	32 Stochastic Networks	CMS 3
1:30 pm to 4:30 pm	53 Cosmology	CMS 3
1:30 pm to 4:30 pm	69 Numerical Solution of Differential Equations	CMS 5
1:30 pm to 4:30 pm	72 Fundamentals in Fluid Mechanics of Climate	CMS 5
1:30 pm to 4:30 pm	83 Set Theory (Reading Course)	CMS 5

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\*\* Denotes an Open Book Examination.

**Tuesday, 5 June, 2012**

9:00 am to 11:00 am	11 Combinatorics	CMS 9
9:00 am to 11:00 am	71 Reaction-Diffusion Equations	CMS –
9:00 am to 12:00 pm	6 Elliptic Partial Differential Equations	CMS 3
9:00 am to 12:00 pm	19 Algebraic Topology	CMS 3
9:00 am to 12:00 pm	63 Structure and Evolution of Stars	CMS 3

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**Tuesday, 5 June, 2012**

1:30 pm to 3:30 pm	49 Statistical Field Theory	CMS 4
1:30 pm to 4:30 pm	17 Differential Geometry	CMS 3
1:30 pm to 4:30 pm	26 Introduction to Iwasawa Theory	CMS 5
1:30 pm to 4:30 pm	33 Advanced Probability	CMS 9
1:30 pm to 4:30 pm	62 Astrophysical Fluid Dynamics	CMS 5

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**Wednesday, 6 June, 2012**

9:00 am to 11:00 am	40 Actuarial Statistics	CMS 3
9:00 am to 11:00 am	54 Applications of General Relativity	CMS –

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**Wednesday, 6 June, 2012**

1:30 pm to 4:30 pm	4 Commutative Algebra	CMS 3,4
1:30 pm to 4:30 pm	7 Mathematical Topics in Kinetic Theory	CMS 9
1:30 pm to 4:30 pm	43 Advanced Financial Models	CMS 4,5
1:30 pm to 4:30 pm	48 Symmetries and Particles	CMS 9
1:30 pm to 4:30 pm	74 Biological Physics	CMS 9

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**Thursday, 7 June, 2012**

9:00 am to 12:00 pm	21 Galois Cohomology	CMS 3
9:00 am to 12:00 pm	22 Complex Manifolds	CMS 4
9:00 am to 12:00 pm	23 Topos Theory	CMS 3
9:00 am to 12:00 pm	39 Statistical Theory	CMS 9
9:00 am to 12:00 pm	51 String Theory	CMS 9
9:00 am to 12:00 pm	59 Galactic Astronomy and Dynamics	CMS 3
9:00 am to 12:00 pm	77 Convection	CMS 3

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**Thursday, 7 June, 2012**

1:30 pm to 3:30 pm	41 Biostatistics	CMS 4
1:30 pm to 4:30 pm	52 The Standard Model	CMS 3
1:30 pm to 4:30 pm	60 Origin and Evolution of Galaxies	CMS 3
1:30 pm to 4:30 pm	65 Quantum Information Theory	CMS 5

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**Friday, 8 June, 2012**

9:00 am to 11:00 am	24 Computable Function Theory	CMS 5
9:00 am to 11:00 am	38 Time Series and Monte Carlo Inference	CMS 3
9:00 am to 11:00 am	45 Supersymmetry	CMS 3
9:00 am to 11:00 am	80 The Physics of the Polar Oceans, Sea Ice and Climate Change	CMS 3
9:00 am to 12:00 pm	16 Knots and 4-Manifolds	CMS 4

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**Friday, 8 June, 2012**

1:30 pm to 3:30 pm	36 Semiparametric Statistics	CMS 3
1:30 pm to 4:30 pm	14 Riemannian Geometry	CMS 5
1:30 pm to 4:30 pm	29 Prime Numbers	CMS 4
1:30 pm to 4:30 pm	42 Mathematics of Operational Research	CMS 3
1:30 pm to 4:30 pm	57 Advanced Cosmology	CMS 3
1:30 pm to 4:30 pm	78 Wave Propagation and Scattering	CMS 5

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**Monday, 11 June, 2012**

9:00 am to 11:00 am	9 Percolation on Graphs	CMS 4
9:00 am to 11:00 am	44 Optimal Investment	CMS 3
9:00 am to 11:00 am	55 Applications of Differential Geometry to Physics	CMS 5
9:00 am to 11:00 am	68 Distribution Theory and Applications	CMS 5
9:00 am to 11:00 am	73 Turbulence	CMS 3

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**Monday, 11 June, 2012**

1:30 pm to 3:30 pm	30 Percolation and Related Topics	CMS 4
1:30 pm to 4:30 pm	28 Local Fields	CMS 3
1:30 pm to 4:30 pm	64 Planetary System Dynamics	CMS 3

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**Tuesday, 12 June, 2012**

9:00 am to 11:00 am	47 Solitons and Instantons	CMS 3
9:00 am to 11:00 am	66 Quantum Foundations	CMS 3

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**Tuesday, 12 June, 2012**

1:30 pm to 4:30 pm	79 Advanced Topics in Fluid Mechanics of Climate	CMS 3
1:30 pm to 4:30 pm	81 Algebraic Number Theory (Reading Course)	CMS 3
1:30 pm to 4:30 pm	82 Fourier Analysis (Reading Course)	CMS 3

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