II+III+Graduate 2013-2014

Last update 02/08/2013

IIC	IID	III	Graduate	MPhil in CompBio

MICHAELMAS

M,W, F	9	10	11	12	2	
MR2 (180)	Advanced Probability (Sola & Sousi) 24	Number Theory (Neale) 24	Principles of Quantum Mechanics (Horgan) 24	Graph Theory (Thomason) 24	W16 Oct, 2pm Computational Projects (Cowley)	
MR3 (120)	Principles of Statistics (Nickl) 24	Fluid Dynamics (Hinch) 24	Probability and Measure (Norris) 24	**12.10** Biological Physics (Goldstein & Keyser) 24		MWTh 4 Topics in the History of Mathematics (Bursill-Hall)
MR4 (60)	Dynamical Systems (Haynes) 24	Functional Analysis (Zsak) 24	Algebraic Topology (Smith) 24	Algebraic Geometry (Wilson) 24		**W4.30** Philosophical Aspects of Quantum Field Theory (Bouatta & Teh) 8
MR5 (60)	Galois Theory (Scholl) 24	Stochastic Financial Models (Rogers) 24	Quantum Information Theory (Datta) 24	Numerical Analysis (Schoenlieb) 24		
MR9 (96)	Origin and Evolution of Galaxies (Haehnelt) 24	Commutative Algebra (Brookes) 24	Advanced Financial Models (Tehranchi) 24	Arithmetic Combinatorics (Sanders) 16		
MR10						
MR11 (40)	Title TBC (Bateman)		Numerical General Relativity (Figueras & Witek) 16			
MR12 (45)	Fluid Dynamics of the Environment (Caulfield & Neufeld) 24	Cosmology (Baumann) 24	Computational Group Theory (Parker) 24	Structure and Evolution of Stars (Zytkow) 24		
MR13 (50)	Modular Forms (Newton) 24	Mathematics of Operational Research (Fischer) 24	Slow Viscous Flow (Lister) 24	Applied Statistics (Pitts & Wadsworth) 16		
MR14 (50)	Set Theory (Kolman) 24		Measure and Image (Valkonen) 16	Convex Optimisation with Applications to Image Processing (Lellmann) 24		
MR15 (45)	MPhil in CompBio (TBC)	MPhil in CompBio (TBC)	MPhil in CompBio (TBC)	MPhil in CompBio (TBC)	MPhil in CompBio (TBC)	
CATAM Room						

Tu, Th, S	9	10	11	12	2	
MR2 (180)	Quantum Field Theory (Perry) 24	Symmetries, Fields and Particles (Manton) 24	General Relativity (Sperhake) 24	Category Theory (Goedecke) 24		
MR3 (120)	**TuTh** Ramsey Theory (Leader) 16	Linear Analysis (Zsak) 24	Algebraic Topology (Randal-Williams) 24	Introduction to Partial Differential Equations (Mouhot) 24		MWTh 4 Topics in the History of Mathematics (Bursill-Hall)
MR4 (60)	Partial Differential Equations (Stuart) 24	Integrable Systems (Ashton) 16	Electrodynamics (Challinor) 16	Classical Dynamics (Groisman) 24		
MR5 (60)	3-Manifolds (Rasmussen) 24	Optimisation and Control (Kelly) 16		Riemann Surfaces (Paternain) 16		
MR9 (96)	Coding and Cryptography (Carne) 24	Elliptic Curves (Fisher)	Lie Algebras and their Representations (Stewart) 24	Statistical Field Theory (Horgan) 16		
MR10						
MR11 (40)		**TuTh** Concentration Inequalities (Warnke) 16 / **S** Discrete Complex Analysis and Conformal Invariance (Li) 8	Computational Methods in Fluid Mechanics (Hinch) 16	Gravitational Wave Astronomy (Gair & Canizares) 8		
MR12 (45)	Numerical Solutions of Differential Equations (Iserles) 24	Astrophysical Fluid Dynamics (Papaloizou) 24	Topics in Geometric Analysis (Krummel & Wickramasekera) 24	Perturbation and Stability Methods (Rallison & Cowley) 24		
MR13 (50)		Differential Geometry (Kovalev) 24	Statistical Theory (Nickl) 16	Actuarial Statistics (Pitts) 16		**Th4-6** Statistics in Medical Practice (Turner et al.) 10
MR14 (50)						
MR15 (45)	MPhil in CompBio (TBC)	MPhil in CompBio (TBC)	MPhil in CompBio (TBC)	MPhil in CompBio (TBC)	MPhil in CompBio (TBC)	
CATAM Room						

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LENT						
M,W, F	**9**	**10**	**11**	**12**	**2**	
MR2 (180)	Representation Theory (Martin) 24	Advanced Quantum Field Theory (Skinner) 24	The Standard Model (Wingate) 24	Supersymmetry (Allanach) 16		
MR3 (120)	Algebraic Number Theory (Scholl) 24	Time Series and Monte Carlo Inference (Carpentier & Yu) 16	Further Complex Methods (Dunajski) 24	General Relativity (Siklos) 24		MWTh 4 Topics in the History of Mathematics (Bursill-Hall)
MR4 (60)	Cosmology (Barrow) 24	Applications of Quantum Mechanics (Dorey) 24	Differential Geometry (Wilson) 24	Geometry and Groups (Smith) 24		**W4.30** Philosophical Aspects of Dynamics and Cosmology (Pitts & Sloan) 8
MR5 (60)	Black Holes (Reall) 24	Topics in Analysis (Kovalev) 24	Applied Probability (Berestycki) 24	Topics in Analysis (Garling) 24		
MR9 (96)	Stochastic Calculus (Tehranchi) 24		Topics in Representation Theory (Martin) 16			
MR10						
MR11 (40)	Topics in Kinetic Theory (Einav & Kim)	Sound Generation and Propagation (Brambley) 16	Algebraic and Arithmetic Geometry (Birkar) 24	Combinatorics TBC (Bateman) 24		
MR12 (45)	Complex and Biological Fluids (Lauga) 24	Distribution Theory and Applications (Ashton) 16	Function Spaces (Demoulini) 24	Complex Manifolds (Ross) 24		
MR13 (50)	Logic and Computation (Forster) 24	Topos Theory (Johnstone) 24	Applied Bayesian Statistics (Spiegelhalter) 16	Survival Data (Treasure) 14		
MR14 (50)	Quantum Computation (Jozsa) 16	Topics in Infinite Groups (Button) 16	Fluid Dynamics of Energy (Woods & Neufeld) 16	Direct and Inverse Scattering of Waves (Rath-Spivak) 16		
MR15 (45)	MPhil in CompBio (TBC)	MPhil in CompBio (TBC)	MPhil in CompBio (TBC)	MPhil in CompBio (TBC)	MPhil in CompBio (TBC)	
CATAM Room						
Tu, Th, S	**9**	**10**	**11**	**12**	**2**	
MR2 (180)	Logic and Set Theory (Johnstone) 24	Percolation and Related Topics (Grimmett & Kiss) 16				
MR3 (120)	Asymptotic Methods (Fokas) 16	Waves (Lister) 24	Extremal and Probabilistic Combinatorics (Bollobas) 16	Statistical Physics (Sperhake) 24		MWTh 4 Topics in the History of Mathematics (Bursill-Hall)
MR4 (60)		Number Fields (Fisher) 16	Mathematical Biology (Gog) 24	Statistical Modelling (Shah) 24		
MR5 (60)	Nonparametric Statistical Theory (Samworth & Kim) 16	Spinors in General Relativity (TBC)	Algebraic Geometry (Grojnowski) 24	Applications of Differential Geometry to Physics (Dunajski) 16		
MR9 (96)	String Theory (Townsend) 24	The Riemann Zeta-Function (Harper) 24	The Unified Method for Partial Differential Equations and Medical Imaging (Fokas) 16	Schramm-Loewner Evolutions (Norris & Dumaz) 16		
MR10						Lab Demonstrations in Fluid Dynamics (Worster & Neufeld) 8
MR11 (40)	Planetary System Dynamics (Wyatt) 24	Dynamics of Astrophysical Discs (Latter) 16		Galactic Astronomy and Dynamics (Evans) 24		
MR12 (45)	Irreducible Holomorphic Symplectic Vaireties (Shen) TBC	Advanced Quantum Information Theory (Cubitt) 16	**Tu** Applied Statistics (Tom) 4+4 / **ThS** Designing Online Contests (Vojnovik) 16	Quantum Foundations (Kent) 16		
MR13 (50)	Convection (Proctor) 16	Symplectic Topology (Ott) 24	Advanced Cosmology (Shellard & Challinor) 16			
MR14 (50)		Image Processing - Variational and PDE Methods (Schoenlieb) 16		Compressed Sensing and Sampling Theory (Hansen) 16		
MR15 (45)	MPhil in CompBio (TBC)	MPhil in CompBio (TBC)	MPhil in CompBio (TBC)	MPhil in CompBio (TBC)	MPhil in CompBio (TBC)	
CATAM Room						

II+III+Graduate 2013-2014				Last update 02/08/2013	
EASTER					
M,W, F	**9**	**10**	**11**	**12**	**2**
MR2 (180)					
MR3 (120)					
MR4 (60)	**MTuThF** Analytic and Birational Geometry (Hu) 16	Title TBC (Mouhot) TBC	**MTuThF** Additive Combinatorics and Equidistribution (Varjú) 16	Consistency of NF (Forster) 12	
MR5 (60)					
MR9 (96)		**MTuThF** Advanced String Theory (Perry) 16	**MTuThF** Classical and Quantum Solitons (Dorey) 16		
MR10					
MR11 (40)					
MR12 (45)				**MTuThF** Calculus of Variations (Demoulini) 16	
MR13 (50)					
MR14 (50)					
MR15 (45)	MPhil in CompBio (TBC)	MPhil in CompBio (TBC)	MPhil in CompBio (TBC)	MPhil in CompBio (TBC)	MPhil in CompBio (TBC)
CATAM Room					
Tu, Th, S	**9**	**10**	**11**	**12**	**2**
MR2 (180)					
MR3 (120)					
MR4 (60)	**MTuThF** Analytic and Birational Geometry (Hu) 16		**MTuThF** Additive Combinatorics and Equidistribution (Varjú) 16		
MR5 (60)					
MR9 (96)		**MTuThF** Advanced String Theory (Perry) 16	**MTuThF** Classical and Quantum Solitons (Dorey) 16		
MR10					
MR11 (40)					
MR12 (45)				**MTuThF** Calculus of Variations (Demoulini) 16	
MR13 (50)					
MR14 (50)					
MR15 (45)	MPhil in CompBio (TBC)	MPhil in CompBio (TBC)	MPhil in CompBio (TBC)	MPhil in CompBio (TBC)	MPhil in CompBio (TBC)
CATAM Room					