Faculty of Mathematics (continued)

COURSES INTENDED FOR GRADUATES (NON-EXAMINABLE)

MICHAELMAS 2008	LENT 2009	EASTER 2009
Abelian Varieties DR T. DOKCHITSER Tu. Th. S. 10, *MR13*	**Topics in Algebraic Geometry** DR C. BIRKAR M. W. F. 10, *MR14*	**TBA** PROF. J. H. COATES M. W. F. 10, *MR5*
Computational Methods in Fluid Mechanics PROF. E. J. HINCH Tu. Th. 11, *MR5*	**Partial Differential Equations of Mathematical Physics** DR M. DAFERMOS AND PROF. I. RODNIANSKI M.W. F 11, *MR11*	**Computational Complexity** PROF. W. T. GOWERS M. W. F. 11, *MR5*
Advanced String Theory DR A. SINKOVICS Th. 12, *MR15*	**Topics in Probability Theory** DR N. BERESTYCKI M. 2, *MR12* (eight lectures)	**Geometry and Integrable Systems** DR M. DUNAJSKI Tu. Th. 2, *MR9*
	Clifford Algebras DR D. J. H. GARLING Tu. Th. 11, *MR15*	
	Computational Group Theory DR R. PARKER Tu. Th. 12, *MR11*	
	Topics in Theoretical Physics TBA Tu. 2, *MR9*	

M.PHIL. IN STATISTICAL SCIENCE

Lectures are held in *the Centre for Mathematical Sciences,* unless otherwise stated.

Advanced Financial Models DR M. TEHRANCHI M. W. F. 9, *MR9*	**Nonparametric Statistical Theory** DR R. NICKL M. W. 9, *MR12*	**Applied Statistics** DR B. D. M. TOM Tu. Th. 10, *MR12* (four lectures and four classes)
Mathematics Of Operational Research PROF. R. R. WEBER M. W. F. 12, *MR9*	**Applied Bayesian Statistics** PROF. D. SPIEGELHALTER M. W. 11, *MR14 and CATAM room* (eleven lectures and five classes)	
Introduction to Probability DR N. BERESTYCKI Tu. Th. 9, *MR12*	**Statistics in Medical Practice++** PROF. S. BIRD, PROF. D. SPIEGELHALTER, PROF. V. FAREWELL W. 4–6pm, *MR13* (six hours)	
Statistical Theory DR R. J. SAMWORTH Tu. Th. 10, *MR12*	**Actuarial Statistics** DR S. M. PITTS Tu. Th. 10, *MR12*	
Applied Statistics DR S. M. PITTS Tu. Th. 12, *MR12*	**Survival Data++** DR P. TREASURE Tu. Th. 11, *MR12*	
	Time Series+ DR S. M. PITTS Tu. Th. S. 12, *MR9* (first eight lectures)	
	Monte Carlo Inference+ DR R. R. GRAMACY Tu. Th. S. 12, *MR9* (last sixteen lectures)	

+ These two courses constitute the twenty-four hour course in Time Series and Monte Carlo Inference
++ These two courses constitute the sixteen hour course in Biostatistics

M.PHIL. IN COMPUTATIONAL BIOLOGY

Lectures are held in *the Centre for Mathematical Sciences,* unless otherwise stated.

Genome Informatics DR G. MICKLEM AND OTHERS M. 9–10, *MR12*, 10–11, *CATAM LAB*	**Systems Biology*** DR J. PAULSSON M. W. 2–4, *MR5*	**Methods and Models in Genomics** DR P. LIÒ W. F. 11–1, *MR15*
Disease Dynamics DR J. GOG AND OTHERS Tu. Th. 10, *MR15*	**Network Biology** PROF. L. WERNISCH (TBC) Tu. 10, *MR15* and F. 11, *MR13*	
Functional Genomics PROF. S. TAVARÉ AND OTHERS M. W. 12–2, *MR15 and CATAM LAB*	**Computational Neuroscience** DR S. EGLEN Tu. Th. 12, *MR15*	
Structural Biology DR J. HUPPERT AND OTHERS W. F. 10, *MR15*	**Statistical Genetics** PROF. S. TAVARÉ AND DR V. PLAGNOL W. F. 11, *MR15*	

* Systems Biology may be a half module (8 lectures) and the other 8 lectures would then be "Hidden Markov Models", DR ALWYN SCALLY