

## Faculty of Mathematics (continued)

## COURSES INTENDED FOR GRADUATES (NON-EXAMINABLE)

MICHAELMAS 2009

LENT 2010

EASTER 2010

**Derived Algebraic Geometry**DR J. P. PRIDHAM  
M. W. F. 9, *MR13***Medical Imaging and Boundary Value Problems**PROF. T. FOKAS  
M. W. F. 11, *MR11***Philosophy of Physics**DR J. N. BUTTERFIELD  
M. 4.30–6, *MR13***Gluon Scattering Amplitudes, Twistors and Integrability**DR M. WOLF  
Tu. 2, *MR12***Concentration of Measure**DR N. BERESTYCKI AND DR R. NICKL  
M. 2–4, *MR13***An Introduction to the Singularity Theory for Geometric Variational Problems**DR N. WICKRAMASEKERA AND PROF. L. SIMON  
M. W. F. 10, *MR5***Representation Theory and Practice**DR R. PARKER  
M. W. F. 10, *MR13***Philosophy of Physics**DR J. N. BUTTERFIELD  
M. 4.30–6, *MR13***Galois Representations**DR T. YOSHIDA  
Tu. Th. S. 10, *MR11***Topics in Algebraic Geometry**DR C. BIRKAR  
Tu. Th. S. 11, *MR11***Geometric Combinatorics**DR B. BUKH  
M. W. F. 10, *MR4***Graph Ramsey Theory**DR D. CONLON  
M. W. F. 11, *MR4***Introduction to Twistor Theory**MS I. M. M. BORZYM  
M. Tu. Th. F. 12, *MR9***Hamiltonian Quantisation of Constrained Systems**DR P. D. D'EATH  
Tu. Th. 10, *MR11***Gravitational Instantons**DR M. DUNAJSKI  
Tu. Th. 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***Introduction to Probability**DR N. BERESTYCKI  
M. W. 11, *MR12***Mathematics of Operational Research**PROF. F. P. KELLY AND MR N. S. WALTON  
M. W. F. 12, *MR3***Applied Statistics**DR S. M. PITTS  
Tu. Th. 10, *MR12***Statistical Theory**DR R. J. SAMWORTH  
Tu. Th. 11, *MR12***Applied Bayesian Statistics**PROF. D. SPIEGELHALTER  
M. W. 11, *MR14* and *CATAM Room* (eleven lectures and five classes)**Time Series+**DR R. B. GRAMACY  
M. W. F. 12, *MR9* (first eight lectures)**Monte Carlo Inference+**DR R. B. GRAMACY  
M. W. F. 12, *MR9* (last sixteen lectures)**Statistics in Medical Practice++**PROF. D. J. SPIEGELHALTER et al.  
W. 4–6pm, *MR14* (Six hours)**Actuarial Statistics**DR S. M. PITTS  
Tu. Th. 9, *MR14***Nonparametric Statistical Theory**DR R. NICKL  
Tu. Th. 10, *MR12***Survival Data++**DR P. TREASURE  
Tu. Th. 11, *MR12* (ten lectures)**Applied Statistics**DR B. D. M. TOM  
Tu. Th. 10, *MR12* (four lectures and four classes)

+ 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. 3–4, *MR15*, 4–5, *CATAM Lab***Disease Dynamics**DR J. GOG AND OTHERS  
Tu. Th. 10, *MR15***Functional Genomics**PROF. S. TAVARÉ AND OTHERS  
M. W. 12–2, *MR15* and *CATAM Lab***Structural Biology**DR J. HUPPERT AND OTHERS  
W. F. 10, *MR15***Systems Biology**DR J. PAULSSON  
M. W. 2–4, *MR5***Network Biology**PROF. L. WERNISCH  
Tu. 10, *MR15* and F. 11 *MR15***Computational Neuroscience**DR S. EGLEN  
Tu. Th 12, *MR15***Statistical Genetics**PROF. S. TAVARÉ AND DR V. PLAGNOL  
W. F. 11, *MR15***Methods and Models in Genomics**DR P. LIO  
W. F. 11–1, *MR15*