

MATHEMATICAL SCIENCES

DIVISION OF MATHEMATICAL AND PHYSICAL SCIENCES

Lecture List for Trinity Term 2010

There may be late changes and amendments to this Lecture List. For an up-to-date version, please check the Mathematical Institute Website:
<http://www.maths.ox.ac.uk/notices/lecture-lists>

This version updated 28 April 2010

Events shown on this list are generally one hour long unless stated otherwise.

<i>Subject</i>	<i>Lecturer</i>	<i>Time*</i>	<i>Place</i>
GRADUATE SEMINARS			
Algebra Seminar	Prof. M J Collins, Prof. Rouquier and Prof. D Segal	T.5	Mathematical Institute, L2
Algebraic and Symplectic Geometry	Prof. Joyce and Dr Szendroi	T.3.45	Mathematical Institute, L3
Analytic Topology in Mathematics and Computer Science	Prof. Abramsky, Dr P J Collins, Dr Knight, Prof. Priestley, Prof. Roscoe and Dr Suabedissen	W.11.30-1 (week 1 only) W.4-5.30 (weeks 1-8)	Mathematical Institute, L3
Applied Dynamical Systems and Inverse Problems	Dr Moroz	Th.11-12:30	Mathematical Institute, DHSR3
Combinatorial Theory	Prof. McDiarmid and Prof. Scott	T.2:30-3:45[L3] T.4.30[SGSR2/SGSR1]	Mathematical Institute, L3, SGSR2 (weeks 1-5) SGSR1 (weeks 6-8)
Computational Mathematics and Applications	Prof. Trefethen and Dr Dollar (RAL)	Th.2	Mathematical Institute, Seminar Room, 3 Worcester Street
Computing Laboratory Seminar	Prof. Gottlob	T.4:30	Computing Laboratory
Differential Equations and Applications	Prof. Howison, Prof. J Ockendon and Prof. Chapman	Th.4.30	Mathematical Institute, DHSR1 (weeks 1-7) DHSR3 (weeks 8)
Functional Analysis	Prof. Batty	T.5	Mathematical Institute, L3
Geometry and Analysis	Prof. Hitchin	M.2.15	Mathematical Institute, L3
Geophysical and Non-linear fluid dynamics	Prof. Read and Dr Moroz	T.2.15	Atmospheric Physics
Junior Applied Mathematics	Mr C Yates	T.1 (even weeks)	Mathematical Institute, DHSR1 DHSR3 (week 8)
Junior Geometric Group Theory	Mr Kielak	T.4	Mathematical Institute, SGSR1 (weeks 1-5) DHSR3 (weeks 6-8)
Junior Geometry and Topology Seminar	Mr Schlueter	Th.12-1.30	Mathematical Institute, SGSR1
Junior Logic	Mr W Anscombe	M.3	Mathematical Institute, SGSR1

Junior Number Theory	Prof. Heath-Brown	M.4	Mathematical Institute, SGSR1
Logic	Dr Koenigsmann	Th.5	Mathematical Institute, L3
Mathematical Behavioural Finance	Prof. Zhou	W.3	Oxford-Man Institute of Quantitative Finance, Eagle House, Walton Well Road.
Mathematical Biology	Prof. Maini, Dr Baker and Dr Gaffney	F.2	Mathematical Institute, L1
Mathematical Finance Internal Seminar	Prof. Zhou	Th.1 (odd weeks)	Mathematical Institute, DHSR1
Mathematical Finance Nomura	Prof. Zhou	F.2:15	Mathematical Institute, DHSR1 (weeks 1-7) L3 (week 8)
Mathematical Genetics and Bioinformatics	Dr Myers	T.4.30	Oxford Centre for Gene Function, Seminar Room
Mathematical Geoscience	Dr Ellis & Dr Peppin	F.2:30 (even weeks)	Mathematical Institute, DHSR3
Number Theory	Prof. Heath-Brown	Th.4	Mathematical Institute, L3
Oxford Advanced Seminar on Informatic Structures	Dr Sadrzadeh	F.2	Computing Laboratory
Partial Differential Equations	Dr Capdeboscq	M.5	Gibson Building Seminar Room
Quantum Field Theory/Relativity	Dr Hannabuss and Dr Tsou	T.12	Mathematical Institute, L3
Representation Theory	Dr Erdmann and Dr Henke	Th.2:30	Mathematical Institute, L3
Statistics Applied Probability and Operational Research	Dr Steinsaltz	Th.2:15 (weeks 1.3.4.5.6)	Statistics Department
Statistics General Seminar	Dr Steinsaltz	Th.2:15 (weeks 2 & 8)	Statistics Department
Statistics Graduate Seminar	Prof. Reinert and Prof. Sir David Cox	Th.3:45(weeks 1.3.4.5.6)	Statistics Department
Statistics Graduate Student Presentations	Dr Clifford	Th.2:15 (week 7)	Statistics Department
Stochastic Analysis	Prof. Lyons	M.2.15-3.45, 3.45-5.00	Oxford-Man Institute of Quantitative Finance, Eagle House, Walton Well Road
String Theory	Prof. Candelas and Dr de la Ossa	M.12	Mathematical Institute, L3
String Theory Discussion Seminar	Dr de la Ossa	W.12	F20
Topology	Prof. Tillmann and Prof. Lackenby	M.3.45	Mathematical Institute, L3

WORKSHOPS			
Industrial and Interdisciplinary Workshops	Dr Gower and Dr Breward	F.9-2	Mathematical Institute, DHSR1 (weeks 2-7, 9) DHSR3 (week 8)
GRADUATE WORKSHOPS			
Stochastic Analysis	Prof. Lyons	T.11-1	Oxford-Man Institute of Quantitative Finance, Eagle House, Walton Well Road.
ADVANCED CLASSES			
Algebra	Dr Craven	T.3-4.30	Mathematical Institute, SGSR2 (weeks 1-5) SGSR1 (weeks 6-8)
Logic	Prof. Zilber	Th.11	Mathematical Institute, SGSR1
Representation Theory	Prof. Rouquier	F.2 (weeks 1-2, 4-7) F.12 (week 3) F.3 (week 8)	Mathematical Institute, SGSR1 (weeks 1-7) L1 (week 8)
Topology	Prof. Tillmann and Mr Randal-Williams	T.12	Mathematical Institute SGSR1 (weeks 1-7) L2 (week 8)
GRADUATE LECTURES			
Cohomology of Groups	Prof. Tillmann	W.10-11.30	Mathematical Institute, L3
Global Singularity Theory	Dr Berczi	M.10	Mathematical Institute, L3
Nonlinear Partial Differential Equations	Prof. Chen	W.4-6	Gibson Building Seminar Room
Poncelet's Theorem	Prof. Hitchin	T.10	Mathematical Institute, L3
Valued Fields	Dr Koenigsmann	W.10 [SGSR1] F.10 [SGSR1 weeks 1-7, L3 week 8] W.10-12 [SGSR1] (week 3 only) Th.12 [SGSR2] (week 3 only) F.9-11[SGSR1] (week 3 only)	Mathematical Institute, SGSR1, SGSR2, L3
SEMINARS OPEN TO ALL STUDENTS AND FACULTY			
'What do historians of mathematics do?'	Dr Stedall, Dr Wardhaugh, Dr Beeley, and Dr Neumann	W.5 (weeks 2-5)	Mathematical Institute, L2
TAUGHT COURSE CENTRE			
The Taught Course Centre is a collaboration between the Mathematics Departments at the Universities of Bath, Bristol, Imperial, Oxford and Warwick. It aims to offer approximately 25 graduate level courses over the academic year. Access grid technology will be used so that audiences in all five universities can participate in the lectures. Graduate students should register in advance in order to attend the lectures. For more information about the Taught Course Centre, and for their lecture timetable, please see the website at http://tcc.maths.ox.ac.uk/			
M.Sc. AND DIPLOMA IN APPLIED STATISTICS			
No lectures			
M.Sc. MATHEMATICAL AND COMPUTATIONAL FINANCE			
Advanced Modelling Topics		T.W.Th.F. all day (week 0)	St Catherine's College
Optimisation in Finance	Dr Hauser	T.Th.11 (weeks 2, 5, 6,	Mathematical Institute,

		7)[DHSR1] T.4pm (weeks 3,4)[DHSR1] Th.4pm (weeks 3,4) [DHSR3]	DHSR1, DHSR3
Time Series Analysis	Dr McSharry	T.Th. 10-1 (weeks 3, 4)	Mathematical Institute, DHSR1
C++ Revision	Dr Gyurko	Th.3 (weeks 1, 3, 5, 7)	Mathematical Institute, DHSR1
Financial Computing with C++	Dr Kramkov	M.T.W.Th.F all day (weeks 10, 11)	Mathematical Institute, DHSR1
M.Sc IN MATHEMATICAL MODELLING AND SCIENTIFIC COMPUTING			
CORE			
Introduction to LaTeX	Dr Schlackow	M.5 (week 2)	Mathematical Institute, L3
SPECIAL TOPICS			
C++ for Scientific Computing	Dr Pitt-Francis	M.T.W.Th.F. 10, 2	Computing Laboratory
Statistical Mechanics	Prof. Bressloff	T.10-12 (weeks 2-6,8)	Mathematical Institute, SGSR1
Meshfree Methods	Prof. Wendland	Th. 10-12 (weeks 2-7)	Mathematical Institute, L1
M.Sc IN COMPUTER SCIENCE			
Computers in Society	Dr Baltag	T.Th.3	Computing Laboratory
M.Sc IN MATHEMATICS AND THE FOUNDATIONS OF COMPUTER SCIENCE			
Section A: Mathematical Foundations			
<i>Schedule I</i>			
No lectures			
<i>Schedule II</i>			
No lectures			
Section B: Applicable Theories			
<i>Schedule I</i>			
No lectures			
<i>Schedule II</i>			
Percolation	Prof. Riordan	T.Th.11	Mathematical Institute, L3
MATHEMATICS			
Moderations			
A: An Introduction to Groups, Rings and Fields	Prof Priestley	T.12, F.11 (weeks 1-4)	University Museum
B: Analysis III: Integration	Prof Haydon	M.11, Th.12 (weeks 1-4)	University Museum

B: Geometry II	Dr Luke	T.11,W.12 (weeks 1-4)	University Museum
D: Calculus in Three Dimensions and Applications	Dr Earl	M.12, W.Th.11, F.12 (weeks 1-4)	University Museum
Mods preparation lecture	Dr Earl	M. 9 (week 5)	University Museum
Introduction to Latex	Dr Schlackow	M.5 (week 2)	Mathematical Institute, L3
Part A			
Number Theory	Dr Testa	T.Th.9 (weeks 1-4)	Mathematical Institute, L1
Multivariable Calculus	Prof Niethammer	M.12 (weeks 1-4) W.12 (weeks 1-3) T.2 (week 4)	Mathematical Institute, L2
Introduction to LaTeX	Dr Schlackow	M.5 (week 2)	Mathematical Institute, L3
Part B			
Introduction to LaTeX	Dr Schlackow	M.5 (week 2)	Mathematical Institute, L3
Part C			
Introduction to LaTeX	Dr Schlackow	M.5 (week 2)	Mathematical Institute, L3
COMPUTER SCIENCE			
Moderations			
Digital Hardware	Dr Nickau	M.W.10-12 (weeks 1-4)	Computing Laboratory
Imperative Programming II	Mr Surfin	T.Th.10-12 (weeks 1-4)	Computing Laboratory
MATHEMATICS AND COMPUTER SCIENCE			
Moderations			
A: An Introduction to Groups, Rings and Fields	Prof Priestley	T.12, F.11 (weeks 1-4)	University Museum
B: Analysis III: Integration	Prof Haydon	M.11, Th.12 (weeks 1-4)	University Museum
Imperative Programming II	Prof Jeavons	T.Th.10-12 (weeks 1-4)	Computing Laboratory
Mods preparation lecture	Dr Earl	M. 9 (week 5)	University Museum
COMPUTER SCIENCE			
Part A			
Computer Architecture	Dr Jones	M.W.F.10 Th.2 (weeks 1-4)	Computing Laboratory
Models of Computation	Prof. Melham	T.Th.10-12 (weeks 1-4)	Computing Laboratory
MATHEMATICS & COMPUTER SCIENCE			
Part A			
Models of Computation	Prof. Melham	T.Th.10-12 (weeks 1-4)	Computing Laboratory
[In addition, the lectures above for Mathematics Part A are applicable.]			
COMPUTER SCIENCE, MATHEMATICS & COMPUTER SCIENCE			

Part B			
Computer Architecture	Dr Jones	M.T.W.Th.11 (wks 1-4)	Computing Laboratory
Part C			
No lectures			
MATHEMATICS AND PHILOSOPHY			
Moderations			
Mathematics:			
A: An Introduction to Groups, Rings and Fields	Prof Priestley	T.12, F.11 (weeks 1-4)	University Museum
B: Analysis III: Integration	Prof Haydon	M.11, Th.12 (weeks 1-4)	University Museum
B: Geometry II	Dr Luke	T.11,W.12 (weeks 1-4)	University Museum
Mods preparation lecture	Dr Earl	M. 9 (week 5)	University Museum
[Papers A and B are compulsory papers for Honour Moderations in Mathematics and Philosophy.]			
Philosophy:			
Frege: Foundations of Arithmetic	Dr Paseau	W.9-11 (weeks 2-5)	10 Merton Street, Ryle Room
Part A Mathematics:			
Number Theory	Dr Testa	T.Th.9 (weeks 1-4)	Mathematical Institute, L1
Multivariable Calculus	Prof Niethammer	M.12 (weeks 1-4) W.12 (weeks 1-3) T.2 (week 4)	Mathematical Institute, L2
Part B Mathematics			
No lectures			
Part B Philosophy:			
[For further Philosophy lectures, please consult the Philosophy lecture list]			
Part C Mathematics: Logic			
No lectures. [See Philosophy list for Philosophy subjects which may be offered.]			
MATHEMATICS AND STATISTICS			
Moderations			
The Lectures above for MATHEMATICS Moderations all apply.			
Part A			
Linear Programming	Dr Laws	W.11, Th.12 (weeks 1-4)	Statistics Department
Simulation	Dr Nicholls	M.10,T.12 (weeks 1-4)	Statistics Department
In addition, the lectures above for Mathematics Part A apply.			

Part B
No lectures
Part C
No lectures

FOOTNOTE REFERENCES

- * Lectures begin on the first day possible after the beginning of Full Term (Sunday, 17 January), unless otherwise stated in this column. Events take place every Week of Full Term (Weeks 1-8) unless otherwise stated.