MATHEMATICAL SCIENCES DIVISION OF MATHEMATICAL AND PHYSICAL SCIENCES Lecture List for Michaelmas Term 2023

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

This version updated 29/09/23

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

Subject	Lecturer	Illy one hour long unless stated other <i>Time</i> *	Place
GRADUATE SEMINARS			
		T 0 8 5	
Algebra Seminar	Prof. Dan Ciubotaru	Tu. 2 [L5] M. 3 (Week 7 only) [L6]	L5/L6, Mathematical Institute
Algebraic Geometry Seminar	Prof. Frances Kirwan	Tu. 3:30–5	C6, Mathematical Institute
Applied Topology Seminar		F.3	L5, Mathematical Institute
Combinatorics Seminar	Prof. Alex Scott	T. 2-3:30	L3, Mathematical Institute
Computational Mathematics and Applications	Prof. Patrick Farrell, Prof. Yuji Nakatsukasa, Prof. Nick Trefethen	Th. 2	L3, Mathematical Institute
Fridays@4		F. 4	L1, Mathematical Institute
Functional Analysis	Prof. Stuart White	Tu. 4 (Week 1 in C3, Week 3 in C1)	C2, Mathematical Institute
Geometric Group Theory	Prof. Dawid Kielak	Tu. 3	L1, Mathematical Institute
Geometry and Analysis	Prof Frances Kirwan and Prof. Guillem Cazassus	M. 2–3.30	L4, Mathematical Institute
Industrial and Applied Mathematics		Th. 12	L1, Mathematical Institute
Junior Algebra & Representation Theory seminar	Jonas Antor, Mick Gielen	F. 12	N3.12, Mathematical Institute
Junior Combinatorics seminar	Jane Tan, Freddie Illingworth	F. 1-2:30 (Week 6 in C6, Week 7 in C5)	C4, Mathematical Institute
Junior Geometry Seminar	George Cooper, Andres Ibanez Nunez, Gilles Englebert	Th. 3 (even weeks)	L4, Mathematical Institute
Junior Topology and Group Seminar	Adele Jackson	W. 4	L6, Mathematical Institute
Logic	Prof. Jonathan Pila, Prof Ehud. Hrushovski, Prof. Jochen Koenigsmann	Th. 5	L3, Mathematical Institute
Mathematical and Computational Biology	Prof. Philip Maini, Dr Peter Minary	F. 2	L3, Mathematical Institute
Mathematical and Computational Finance Seminar	Prof. Rama Cont and Dr Anran Hu	Th. 4	L4, Mathematical Institute
Mathematical Geoscience	Prof lan Hewitt	F. 2 (even weeks)	L4, Mathematical Institute
Networks Seminar	Erik Hormann	Tu. 2	C6, Mathematical Institute
Nonlinear PDE	Prof. Gui-Qiang Chen	Th. 3:15–5:45	C5, Mathematical Institute
Number Theory	Aleksander Horawa and Lasse Grimmelt	Th. 4	L5, Mathematical Institute
Numerical Analysis Internal Seminar	Prof. Patrick Farrell, Prof. Yuji Nakatsukasa, Prof. Nick Trefethen	Tu. 2 (even weeks)	L4, Mathematical Institute

Oxford Data Science Seminar	Prof. Melanie Weber	M. 2	L6, Mathematical Institute
Partial Differential Equations Seminar	Prof. Andrea Modino and Prof. Qian Wang	M. 4.30	L3, Mathematical Institute
OxPDE lunchtime seminar	Dr Ben Fehrman and Eliana Fausti	Th. 12	L3, Mathematical Institute
Probability	Prof. Christina Goldschmidt	M. 2	L5, Mathematical Institute
Quantum Field Theory/Relativity/Amplitudes	Prof. Lionel Mason and Prof. Chris Beem	F. 12–1:30	L3, Mathematical Institute
Random Matrix Theory Seminar	Prof Jon Keating	Tu. 4	L6, Mathematical Institute
Stochastic Analysis Internal Seminar	Prof. Massimiliano Gubinelli	Tu. 11	L4, Mathematical Institute
Stochastic Analysis and Mathematical Finance Seminar	Prof. Rama Cont and Prof. Massimiliano Gubinelli	M. 3:30	L3, Mathematical Institute
String Theory		T. 1	L1, Mathematical Institute
Topology Seminar	Prof. André Henriques and Prof. Panos Papazoglou	M. 3:30-5	L4, Mathematical Institute
Wolfson Centre for Mathematical Biology Journal Club	Prof. Philip Maini	M. 12	L6, Mathematical Institute
GRADUATE WORKSHOPS			
WORKSHOPS			
Industrial and Interdisciplinary Workshops	Prof. Chris Breward and Yixuan Sun	F.9.45-11.15	Mathematical Institute, L6
ADVANCED CLASSES			
Geometric Group Theory	Prof. Dawid Kielak	Tu. 3	L3, Mathematical Institute
Logic	Prof Ehud Hrushovski	Th. 11	C6, Mathematical Institute
Topology	Prof André Henriques and Dr. Lukas Brantner	M. 11-12:30 (Week 8 in C4)	C5, Mathematical Institute
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 https://www.maths.ox.ac.uk/groups/tcc

EPSRC CDT in MATHEMATIC	S OF RANDOM SYSTEMS		
Simulation Methods	Prof Christoph Reisinger	T.2-4	Mathematical Institute, L6
Theories of Deep Learning	Prof. Jared Tanner	T.11-1	Mathematical Institute, L3
CDT Faculty Talks		T. 4:15-5	Mathematical Institute, L2
M.Sc IN MATHEMATICAL AN	COMPUTATIONAL FINANCE	CE	
Financial Computing with C++	Dr Greg Gyurko	W. 2-4	Mathematical Institute, L3
Financial Derivatives	Prof. Sam Cohen	Tu. 9-11	Mathematical Institute, L3
Numerical Methods	Prof. Mike Giles	M. 11 [L3]	Mathematical Institute, L2/L3
		Tu. 11 [L2]	
Statistics and Financial Data	Dr Anran Hu	Th. 10-12	Mathematical Institute, L3
Analysis			

Stochastic Calculus	Prof. Michael Monoyios	M. 9-11	Mathematical Institute, L3
M.Sc IN MATHEMATICAL AND	THEORETICAL PHYSICS		
Advanced Quantum Theory	Prof. John Chalker	W. 2-4 (Weeks 2-8)	Department of Physics,
		Th. 3-5	Lindemann
Algebraic Geometry	Prof. Damian Rössler	M. 9 [L4]	Mathematical Institute, L4/L5
		Tu. 10 [L5]	
Algebraic Topology	Prof. André Henriques	Tu. 3 [L5]	Mathematical Institute, L4/L5
		W. 3 [L4]	
Differentiable Manifolds	Prof. Dominic Joyce	W. 12	Mathematical Institute, L4
		F. 12	
General Relativity I	Prof. Chris Couzens	M. 4 [L2]	Mathematical Institute, L2/L3
		Tu. 4 [L3]	
Groups and Representations	Prof. Andre Lukas	M. 3 (Weeks 4-6)	Department of Physics,
		T.10-12 (Weeks 1-2, 4-7)	Lindemann
		Th. 2 (Weeks 1-7)	
		F. 2-4 (Week 2 only)	
Kinetic Theory	Prof. Paul Dellar, Prof.	M.10-11.30 (Except Week 2)	Department of Physics,
	Alex Schekochihin, Dr	M. 3-5 (Weeks 1-3, 7-8)	Lindemann
	Chris Hamilton	Tu. 12	
Networks	Prof. Peter Grindrod	Tu. 2	Mathematical Institute, L2
		W. 2	
Numerical Linear Algebra	Prof. Jared Tanner	W. 4	Mathematical Institute, L3
		F. 4	
Perturbation Methods	Prof. Ruth Baker	M. 10 [L5] (Except Week 5)	Mathematical Institute, L1/L5
		M. 3 [L1] (Weeks 1 and 4 only)	
		Tu. 11 [L5] (Except Week 5)	
Quantum Field Theory	Prof. John Wheater	M.14	Department of Physics,
		T.15	Lindemann
		W.9	
Quantum Processes in Hot	Prof. Peter Norreys	T. 2-4	Department of Physics, DWB
Plasma			Fisher Room
Topics in Fluid Mechanics	Prof. Eamonn Gaffney	W. 12	Mathematical Institute, L5
		Th. 12	
An Introduction to Topological	Prof. Shivaji Sondhi	F. 10-12	Department of Physics, DWB
Phases of Matter			Fisher Room
M.Sc IN MATHEMATICAL MOD	DELLING AND SCIENTIFIC	COMPUTING	
CORE			
Supplementary Applied	Prof. Helen Byrne	Th. 2-4 (Weeks 1-4)	Mathematical Institute, L5
Mathematics			
Applied PDEs	Prof. Andreas Muench	F. 9-11	Mathematical Institute, L3
Numerical Solution of Partial	Dr Charles Parker	W. 11 [L2]	Mathematical Institute, L2/L5
Differential Equations		Th. 10 [L5]	
Numerical Linear Algebra	Prof. Jared Tanner	W. 4	Mathematical Institute, L3
		F. 4	
Mathematical Modelling	Prof. Helen Byrne	M. 3 (Weeks 5-8)	Mathematical Institute, L5

		Th. 2-4 (Weeks 5-8)	
Additional Skills	Dr Kathryn Gillow	M. 11-1	Mathematical Institute, L4
Practical Numerical Analysis	Dr Kathryn Gillow	W. 3 [L3]	Mathematical Institute, L3/L5
		F. 12 [L5]	
SPECIAL TOPICS			
Further Mathematical Biology	Prof. Ruth Baker	M. 9 (except Week 5) [L5]	Mathematical Institute, L1/L5
		Tu. 12 (except Week 5) [L5]	
		M. 2 (Weeks 1 and 4 only) [L1]	
Integer Programming	Prof. Raphael Hauser	Tu. 5 [L3] (Week 2 in L1, Week	Mathematical Institute,
		7 in L2)	L1/L2/L3
		Th. 4 [L2]	
Mathematical Geoscience	Prof. Jon Chapman	M. 5	Mathematical Institute, L4
		Tu. 5	
Mathematical Physiology	Prof. Ian Griffiths	M. 4 [L6]	Mathematical Institute, L4/L6
		Tu. 4 [L4]	
Networks	Prof. Peter Grindrod	Tu. 2	Mathematical Institute, L2
		W. 2	
Perturbation Methods	Prof. Ruth Baker	M. 10 [L5] (Except Week 5)	Mathematical Institute, L1/L5
		M. 3 [L1] (Weeks 1 and 4 only)	
		Tu. 11 [L5] (Except Week 5)	
Stochastic Differential	Prof. Massimiliano	M. 9 [L2]	Mathematical Institute,
Equations	Gubinelli	Th. 9 [L5] (Except Week 1)	L2/L4/L5
'		Th. 10 [L4] (Week 1 only)	
Theories of Deep Learning	Prof. Jared Tanner	Tu. 11-1	Mathematical Institute, L3
Topics in Fluid Mechanics	Prof. Eamonn Gaffney	W. 12	Mathematical Institute, L5
		Th. 12	
Viscous Flow	Prof. Chris Breward	M. 10	Mathematical Institute, L4
		Tu. 10	
M.Sc IN MATHEMATICAL SCI	ENCES		
The lectures below for MATHEN	MATICS Part C/OMMS all appl	y.	
M.Sc IN MATHEMATICS AND	THE FOUNDATIONS OF COI	MPUTER SCIENCE	
An Introduction to LaTeX			Recorded videos available via
			https://courses.maths.ox.ac.uk/
Section A: Mathematical Four	ndations		l
Schedule I			
Algebraic Topology	Prof. André Henriques	Tu. 3 [L5]	Mathematical Institute, L4/L5
		W. 3 [L4]	
Analytic Topology	Prof. Rolf Suabedissen	Tu. 9	Mathematical Institute, L4
		F. 9	
Category Theory	Prof. Dan Ciubotaru	M. 11 [L1]	Mathematical Institute, L1/L2
•		Tu. 12 [L2]	
Differentiable Manifolds	Prof. Dominic Joyce	W. 12	Mathematical Institute, L4
		F. 12	
Introduction to Representation	Prof. Konstantin Ardakov	W. 2-4	Mathematical Institute, L5
Theory	. 101. Nonstantin Aldakov		manomanon monuto, Lo
Model Theory	Prof Jochen Koenigsmann	W. 9	Mathematical Institute, L4
WOOD THOOLY	1 TOI GOGHEIT NOCHIYSHIAIIII	**. 5	Mauromandar mondie, L4

		Th. 9	
Topology and Groups	Prof. Andras Juhasz	Tu. 3	Mathematical Institute, L2
		Th. 2	
Schedule II			
Algebraic Geometry	Prof. Damian Rössler	M. 9 [L4]	Mathematical Institute, L4/L5
		Tu. 10 [L5]	
Homological Algebra	Prof. Kobi Kremnitzer	M. 2	Mathematical Institute, L3
		Th. 4	
Infinite Groups	Prof. Cornelia Drutu	Tu. 10 [L6] (Weeks 2-8)	Mathematical Institute,
		Th. 2 [L4] (Weeks 2-3 only)	L4/L5/L6
		F. 10 [L5] (Weeks 2-8)	
Section B: Applicable Theo	ries		
Schedule I			
Quantum Processes and	Prof. Aleks Kissinger	M.12	Department of Computer
Computation		W.12 F.12	Science, Tony Hoare Room
		F.12	(RHB)
Graph Theory	Prof. Paul Balister	Th. 9 [L3] (Week 1 in L5)	Mathematical Institute, L3/L5
		F. 11 [L3]	
Information Theory	Prof. Sam Cohen	Th. 11	Mathematical Institute, L2
		F. 4	
Integer Programming	Prof. Raphael Hauser	Tu. 5 [L3] (Week 2 in L1, Week	Mathematical Institute,
		7 in L2)	L1/L2/L3
		Th. 4 [L2]	
Schedule II			
Additive Combinatorics	Prof. Ben Green	M. 12 [L5]	Mathematical Institute, L4/L5
		Th. 12 [L4]	
Combinatorics	Dr Gal Kronenberg	W. 4 [L1]	Mathematical Institute, L1/L3
		F. 3 [L3]	
Computational Learning	Prof. Varun Kanade	M. 4	Department of Computer
Theory		T. 4 Th. 4	Science, LTA
Networks	Prof. Peter Grindrod	Tu. 2	Mathematical Institute, L2
		W. 2	,
MATHEMATICS			
Prelims			
Introduction to University	Prof. Ian Hewitt	M. 10 (Week 1)	Mathematical Institute, L1
Mathematics		Tu. 10 (Week 1)	
Introduction to Complex	Prof. Andy Wathen	Tu. 9 (Week 1)	Mathematical Institute, L1
Numbers		W. 9 (Week 1)	
Linear Algebra I	Prof. Andy Wathen	Tu. 9 (Weeks 2-8)	Mathematical Institute, L1
-		W. 9 (Weeks 2-8)	
Geometry	Prof. Derek Moulton	M. 10 (Weeks 2-8)	Mathematical Institute, L1
-		F. 10 (Weeks 1-8)	
Analysis I	Prof. Alexander Ritter	Th. 9 (Week 1)	Mathematical Institute, L1
•		Th. 9-11 (Weeks 2-8, except	,
		Week 4)	
		Tu. 11 (Weeks 4-5)	
		- /	

Introductory Calculus	Prof. Emmanuel Breuillard	Tu. 10 (Weeks 4-8)	Mathematical Institute, L1
		Tu. 11 (Weeks 1-2)	
		W. 10 (Weeks 1-8, except	
		Week 3)	
		Th. 9-11 (Week 4 only)	
Probability	Prof. Matthias Winkel	M. 9 (Weeks 1-8)	Mathematical Institute, L1
		F. 9 (Weeks 1-8)	
Computational Mathematics	Prof. Patrick Farrell	Tu. 10 (Week 2)	Mathematical Institute, L1
		Th. 10 (Week 1)	
Fridays@2		F. 2	Mathematical Institute, L1
Part A	1	1	1
A0 Linear Algebra	Prof. Andrew Dancer	M. 9	Mathematical Institute, L2
Ao Linear Aigebra	1 Tol. Allalew Balleel	Th. 9	Matricination motitate, L2
A1 Differential Equations I	Prof. Melanie Rupflin	Tu. 9	Mathematical Institute, L2
		F. 10	
		M. 10	
A2 Metric Spaces and	Prof. Dmitry Belyaev &	T.10	M-4btilbtittlO
Complex Analysis	Prof. Panos Papazoglou	W.10	Mathematical Institute, L2
		Th.10	
AQ Drahahilitu	Prof. James Martin	W. 11	Mathematical Institute 1.1
A8 Probability	Prof. James Martin	Th. 11	Mathematical Institute, L1
A11 Quantum Theory	Dr Mark Mezei	M.11	Mathematical Institute 1.2
A11 Quantum Theory	DI Wark Wezer	F.11	Mathematical Institute, L2
Fridays@2		F.2	Mathematical Institute, L1
Part B			_
B1.1 Logic	Prof. Martin Bays	Th. 3	Mathematical Institute, L2
		F. 3	
B2.1 Introduction to	Prof. Konstantin Ardakov	W. 2-4	Mathematical Institute, L5
Representation Theory			
B3.1 Galois Theory	Prof. Konstantin Ardakov	M. 2-4	Mathematical Institute, L2
B3.2 Geometry of Surfaces	Prof. Richard Earl	M. 11	Mathematical Institute, L5
,		Tu. 9	, -
B3.5 Topology and Groups	Prof. Andras Juhasz	Tu. 3	Mathematical Institute, L2
1 03		Th. 2	,
B4.1 Functional Analysis I	Prof. Luc Nguyen	W. 12 [L3]	Mathematical Institute, L2/L3
•		F. 12 [L2]	·
B4.3 Distribution Theory	Prof. Jan Kristensen	Tu. 4	Mathematical Institute, L5
•		W. 4	
B5.2 Applied PDEs	Prof. Andreas Muench	F. 9-11	Mathematical Institute, L3
B5.3 Viscous Flow	Prof. Chris Breward	M. 10	Mathematical Institute, L4
		Tu. 10	
B5.5 Further Mathematical	Prof. Ruth Baker	M. 9 (except Week 5) [L5]	Mathematical Institute, L1/L5
Biology		Tu. 12 (except Week 5) [L5]	
		M. 2 (Weeks 1 and 4 only) [L1]	

B6.1 Numerical Solution of	Dr Charles Parker	W. 11 [L2]	Mathematical Institute, L2/L5
Partial Differential Equations		Th. 10 [L5]	
B6.3 Integer Programming	Prof. Raphael Hauser	Tu. 5 [L3] (Week 2 in L1, Week	Mathematical Institute,
Bo.o integer i rogramming	1 Tol. Raphaci Hausei	7 in L2)	L1/L2/L3
		Th. 4 [L2]	L 1/L2/L0
B7.1 Classical Mechanics	Prof. Lionel Mason	M. 5	Mathematical Institute, L5
D7.1 Classical Mechanics	Pioi. Lionei wason	Tu. 5	Mathematical institute, L5
DO 4 Dook ability Manager	Prof. Jan Obloj	M. 12	Mathematical leatitude 10
B8.1 Probability, Measure and	Prof. Jan Obioj		Mathematical Institute, L3
Martingales	D (0 0)	W. 9	
B8.4 Information Theory	Prof. Sam Cohen	Th. 11	Mathematical Institute, L2
		F. 4	
B8.5 Graph Theory	Prof. Paul Balister	Th. 9 [L3] (Week 1 in L5)	Mathematical Institute, L3/L5
		F. 11 [L3]	
BO1.1 History of Mathematics	Dr Christopher Hollings	M. 10-12	Mathematical Institute, L6
BSP Structured Projects	Dr Cath Wilkins	M.4 (Week 1 only)	Mathematical Institute, L5
SB1.1 Applied Statistics	Dr Neil Laws & Prof. Frank	M. 3 (Weeks 1-7)	Department of Statistics
	Windmeijer	Tu. 3 (Weeks 2-6)	
		Th. 2 (Week 1 only)	
		Practicals: W. 2-3:30 (Weeks	
		3, 5, 8)	
SB2.1 Foundations of	Prof George Deligiannidis	M. 2	Department of Statistics
Statistical Inference		W. 11	
101 Early Modern Philosophy:	Prof. Paul Lodge	Tu. 10	Examination Schools (Room
Descartes			7)
101 Early Modern Philosophy:	Prof. Peter Kail	Th.10	Examination Schools (Room
Hume			6)
102 Knowledge and Reality:	Prof. Bernhard Salow	M. 10	Examination Schools (North
Epistemology			School except Week
1 07			1: Room 7)
122 Philosophy of	Prof. Beau Mount	M. 10	Radcliffe Humanities Lecture
Mathematics	Troi. Boda Modific		Room
		F 0	Made and discounting the section of
Fridays@2		F. 2	Mathematical Institute, L1
*An Introduction to LaTeX			Recorded videos available via
			https://courses.maths.ox.ac.uk/
Part C / OMMS	l	I	l
C1.1 Model Theory	Prof Jochen Koenigsmann	W. 9	Mathematical Institute, L4
		Th. 9	
C1.3 Analytic Topology	Prof. Rolf Suabedissen	Tu. 9	Mathematical Institute, L4
		F. 9	
C2.2 Homological Algebra	Prof. Kobi Kremnitzer	M. 2	Mathematical Institute, L3
		Th. 4	, , , , , , , , , , , , , , , , , , ,
C2.4 Infinite Groups	Prof. Cornelia Drutu	Tu. 10 [L6] (Weeks 2-8)	Mathematical Institute,
- '-		Th. 2 [L4] (Weeks 2-3 only)	L4/L5/L6
		F. 10 [L5] (Weeks 2-8)	
C2.7 Category Theory	Prof. Dan Ciubotaru	M. 11 [L1]	Mathematical Institute, L1/L2
SELI Galogory Thoory		Tu. 12 [L2]	madiomadodi modiato, E 1/EZ
		14. 14 [44]	
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C3.1 Algebraic Topology	Prof. André Henriques	Tu. 3 [L5]	Mathematical Institute, L4/L5
Co. 1 Algebraic Topology	Prof. Affaire Herlinques		Mathematical institute, L4/L5
00.0 5:4	D (D) ; ; ;	W. 3 [L4]	
C3.3 Differentiable Manifolds	Prof. Dominic Joyce	W. 12	Mathematical Institute, L4
		F. 12	
C3.4 Algebraic Geometry	Prof. Damian Rössler	M. 9 [L4]	Mathematical Institute, L4/L5
		Tu. 10 [L5]	
C3.5 Lie Groups	Prof. Jason Lotay	M. 5 [L6] (Week 3 only)	Mathematical Institute, L5/L6
		Tu. 5 [L6] (Week 3 only)	
		W. 5 [L5] (Except Week 3)	
		Th. [L5] (Except Week 3)	
C3.6 Modular Forms	Prof. Alan Lauder	W. 10	Mathematical Institute, L6
		Th. 10	
C3.10 Additive Combinatorics	Prof. Ben Green	M. 12 [L5]	Mathematical Institute, L4/L5
		Th. 12 [L4]	
C4.1 Further Functional	Dr Daniel Drimbe	Th. 2-4	Mathematical Institute, L6
Analysis			
C4.3 Functional Analytic	Prof. Luc Nguyen	W. 11	Mathematical Institute, L5
Methods for PDEs		F. 11	·
C5.2 Elasticity and Plasticity	Prof. Jim Oliver	Th. 11	Mathematical Institute, L4
, ,		F. 11	,
C5.4 Networks	Prof. Peter Grindrod	Tu. 2	Mathematical Institute, L2
OO.4 NOTWORKS	1 Tot. 1 etc. Officion	W. 2	Mathematical motitate, E2
C5.5 Perturbation Methods	Prof. Ruth Baker	M. 10 [L5] (Except Week 5)	Mathematical Institute, L1/L5
C3.3 1 ertarbation methods	1 Tol. Null baker	M. 3 [L1] (Weeks 1 and 4 only)	iviatilematical institute, £ 1/£3
		Tu. 11 [L5] (Except Week 5)	
C5.7 Topics in Fluid	Prof. Eamonn Gaffney	W. 12	Mathamatical Institute 15
•	Prof. Earnonn Gailney		Mathematical Institute, L5
Mechanics		Th. 12	
C5.11 Mathematical	Prof. Jon Chapman	M. 5	Mathematical Institute, L4
Geoscience		Tu. 5	
C5.12 Mathematical	Prof. lan Griffiths	M. 4 [L6]	Mathematical Institute, L4/L6
Physiology		Tu. 4 [L4]	
C6.1 Numerical Linear Algebra	Prof. Jared Tanner	W. 4	Mathematical Institute, L3
		F. 4	
C6.5 Theories of Deep	Prof. Jared Tanner	Tu. 11-1	Mathematical Institute, L3
Learning			
C7.5 General Relativity I	Prof. Chris Couzens	M. 4 [L2]	Mathematical Institute, L2/L3
		Tu. 4 [L3]	
C8.1 Stochastic Differential	Prof. Massimiliano	M. 9 [L2]	Mathematical Institute,
Equations	Gubinelli	Th. 9 [L5] (Except Week 1)	L2/L4/L5
		Th. 10 [L4] (Week 1 only)	
C8.3 Combinatorics	Dr Gal Kronenberg	W. 4 [L1]	Mathematical Institute, L1/L3
		F. 3 [L3]	
CCS2 Quantum Processes	Prof. Aleks Kissinger	M.12	Department of Computer
and Computation		W.12	Science, Tony Hoare Room
'		F.12	(RHB)
SC1 Stochastic Models in	Prof. Simon Myers	M. 12	Department of Statistics
Mathematical Genetics	. Ton Camon Myoro	W. 4	2 Sparanoni or oranono
Matromation Conclude		1	

SC2 Probability and Statistics	Prof. Gesine Reinert	W. 12 (Weeks 1-7)	Department of Statistics
for Network Analysis		Th. 11 (Weeks 1-7)	
TOT NEtWORK Arialysis		Practicals: F. 11-1 (Weeks 2	
COC Compliant Martin	Duck Dakin France	and 6)	Double to the first of the firs
SC6 Graphical Models	Prof. Robin Evans	M. 9 Tu. 4	Department of Statistics
SC9 Probability on Graphs	Prof. Christina	Tu. 10	Department of Statistics
and Lattices	Goldschmidt/Dr Brett	Th. 10	Doparament of Grandines
and Latifices	Kolesnik		
Fridays@2		F. 2	Mathematical Institute, L1
*An Introduction to LaTeX			Recorded videos available via
			https://courses.maths.ox.ac.uk/
*These lectures will be useful to	 o students offering an Extend	ed Essay or Dissertation.	
COMPUTER SCIENCE	<u> </u>	,	
Prelims			
Functional Programming	Prof. Andrzej Murawski	W.11	Department of Computer
Functional Frogramming	Prof. Affurzej Murawski	VV.11	'
		F. 11	Science, LTB
Discrete Mathematics	Prof. Andreas Galanis	W. 11 F. 11	Department of Computer
		F. 11	Science, LTB
Linear Algebra	Prof. Stefan Kiefer	T. 9	Department of Computer
		W. 9 (Weeks 1-4	Science, LTA
		Th. 9	·
Probability	Prof. Matthias Winkel	M. 9 (Weeks 1-8)	Mathematical Institute, L1
		F. 9 (Weeks 1-8)	
MATHEMATICS AND COMPU	TER SCIENCE		
Prelims			
Functional Programming	Prof. Andrzej Murawski	W.11	Department of Computer
3 3	,		Science, LTB
		F. 11	Goldfied, ETB
Introduction to University	Prof. Ian Hewitt	M. 10 (Week 1)	Mathematical Institute, L1
-	1 TOI. IAIT FIEWILL	, ,	Watternatical institute, E1
Mathematics		Tu. 10 (Week 1)	
Introduction to Complex	Prof. Andy Wathen	Tu. 9 (Week 1)	Mathematical Institute, L1
Numbers		W. 9 (Week 1)	
Analysis I	Prof. Alexander Ritter	Th. 9 (Week 1)	Mathematical Institute, L1
•		Th. 9-11 (Weeks 2-8, except	
		Week 4)	
		,	
		Tu. 11 (Weeks 4-5)	
Linear Algebra I	Prof. Andy Wathen	Tu. 9 (Weeks 2-8)	Mathematical Institute, L1
		W. 9 (Weeks 2-8)	
Probability	Prof. Matthias Winkel	M. 9 (Weeks 1-8)	Mathematical Institute, L1
		F. 9 (Weeks 1-8)	
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COMPUTER SCIENCE			
COMPUTER SCIENCE Part A			
Part A Core	Prof Mike Snivey		Department of Computer
Part A	Prof. Mike Spivey	Tu. 12	Department of Computer
Part A Core Compilers		Tu. 12 Th. 12	Science, LTA
Part A Core	Prof. Mike Spivey Prof Christian Coester	Tu. 12	

Part A / Part B			
Schedule S1			
Combinatorial Optimisation	Prof. Standa Živný	Tu. 11 (Except Week 6) Th. 11 (Except Week 6)	Department of Computer Science, LTB
Computer Security	Prof. Michael Goldsmith	M. 10 (Except Weeks 3 and 8) Tu. 10 (Weeks 1-7) Th. 10 (Weeks 1-3)	Department of Computer Science, LTB
Geometric Modelling	Prof. Joe Pitt-Francis	M. 10 (Weeks 1-7) W. 10 (Weeks 1-7) F. 10 (Weeks 1-2)	Department of Computer Science, LTA
Machine Learning	Dr Atılım Güneş Baydin	Th. 4-6 (Weeks 1-4) Th. 4-5 (Weeks 5-8) F. 4 (Weeks 1-8)	Department of Computer Science, LTB
Principles of Programming Languages	Dr Sam Staton	M. 3 Tu. 3	Department of Computer Science, LTA
Schedule S2			
Lectures under Mathematics Pa	art B: B8.4, B6.3 are applicable	e. 	_
Part C			
Schedule C1			
Combinatorial Optimisation	Prof. Standa Živný	Tu. 11 (Except Week 6) Th. 11 (Except Week 6)	Department of Computer Science, LTB
Computational Biology	Prof. Peter Minary	T. 9 Th. 9 F. 9 (Weeks 1-4)	Department of Computer Science, Tony Hoare Room (RHB)
Computational Learning Theory	Prof. Varun Kanade	M. 4 T. 4 Th. 4	Department of Computer Science, LTA
Concurrent Algorithms and Data Structures	Dr Hanno Nickau	M. 11 (Weeks 1-7) W. 11 (Weeks 1-7) F. 11 (Weeks 1-6)	Department of Computer Science, Tony Hoare Room (RHB)
Graph Representation Learning	Prof. Ismail Ceylon	M. 2 (Weeks 1-4) W. 2-4 Practicals: Th. 11-1 (Weeks 3-7) F. 4-6 (Weeks 3-7)	Department of Computer Science, LTB (lectures) and 60.05 Thom Lab (practicals)
Law and Computer Science	Prof. Rebecca Williams/Prof. Tom Melham	T. 11-13 Practicals: Th. 9-11 (Weeks 1,4, 6-8)	Department of Computer Science, Law Faculty
Probabilistic Model Checking	Prof. Alessandro Abate	Tu. 3 Th. 10-12 (Weeks 1-4) Th. 10-11 (Weeks 5-8)	Department of Computer Science, Tony Hoare Room (RHB)
Probability and Computing	Dr Mark Roth/Prof. Leslie Goldberg	M. 9 W. 9 F. 9 (Weeks 1-4)	Department of Computer Science, LTB

Quantum Processes and	Prof. Aleks Kissinger	M.12	Department of Computer
Computation		W.12	Science, Tony Hoare Room
		F.12	(RHB)
MATHEMATICS & COMPUTE	ER SCIENCE		
Part A			
Core			
Models of Computation	Prof Christian Coester	M.12	Department of Computer
		W. 12	Science, LTA
In addition, the lectures under	r Mathematics Part A, except D	ifferential Equations I, are applical	ole.]
Part A / Part B			
Schedule S1(M&CS)			
Combinatorial Optimisation	Prof. Standa Živný	Tu. 11 (Except Week 6)	Department of Computer
		Th. 11 (Except Week 6)	Science, LTB
Compilers	Prof. Mike Spivey	Tu. 12	Department of Computer
		Th. 12	Science, LTA
Geometric Modelling	Prof. Joe Pitt-Francis	M. 10 (Weeks 1-7)	Department of Computer
		W. 10 (Weeks 1-7)	Science, LTA
Machina Loarning	Dr Atılım Cünas Baydin	F. 10 (Weeks 1-2) Th. 4-6 (Weeks 1-4)	Department of Computer
Machine Learning	Dr Atılım Güneş Baydin	Th. 4-5 (Weeks 5-8)	· ·
		F. 4 (Weeks 1-8)	Science, LTB
Principles of Programming	Dr Sam Staton	M 2	Department of Computer
	Dr Sam Staton	M. 3 Tu. 3	Department of Computer
Languages	Dr Sam Staton		Department of Computer Science, LTA
Languages Schedule S2(M&CS)		Tu. 3	Science, LTA
Languages Schedule S2(M&CS) Lectures under Mathematics F	Part B: B1.1- B8.5, are applicab		Science, LTA
Languages Schedule S2(M&CS) Lectures under Mathematics F Mathematics Department cour	Part B: B1.1- B8.5, are applicab	Tu. 3	Science, LTA
Languages Schedule S2(M&CS) Lectures under Mathematics F Mathematics Department coul Part C	Part B: B1.1- B8.5, are applicab	Tu. 3	Science, LTA ke other topics from the full list of
Languages Schedule S2(M&CS) Lectures under Mathematics F Mathematics Department cour Part C Schedule C1 applies. Mathematics	Part B: B1.1- B8.5, are applicab	Tu. 3	Science, LTA ke other topics from the full list of
Languages Schedule S2(M&CS) Lectures under Mathematics F Mathematics Department cour Part C Schedule C1 applies. Mathem Mathematics options.	Part B: B1.1- B8.5, are applicab rses natics Part C lectures all apply u	Tu. 3	Science, LTA ke other topics from the full list of
Languages Schedule S2(M&CS) Lectures under Mathematics F Mathematics Department cour Part C Schedule C1 applies. Mathem Mathematics options. MATHEMATICS AND PHILO	Part B: B1.1- B8.5, are applicab rses natics Part C lectures all apply u	Tu. 3	Science, LTA ke other topics from the full list of
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Languages Schedule S2(M&CS) Lectures under Mathematics F Mathematics Department cour Part C Schedule C1 applies. Mathem Mathematics options. MATHEMATICS AND PHILO Prelims Mathematics:	Part B: B1.1- B8.5, are applicable rses natics Part C lectures all apply to SOPHY	Tu. 3 lle. In addition you may apply to talender Schedule C2. See the handb	Science, LTA ke other topics from the full list of the control of the full list of the control of the full list of the control of the full list of the full li
Languages Schedule S2(M&CS) Lectures under Mathematics F Mathematics Department cour Part C Schedule C1 applies. Mathem Mathematics options. MATHEMATICS AND PHILO Prelims Mathematics: Introduction to University	Part B: B1.1- B8.5, are applicab rses natics Part C lectures all apply u	Tu. 3 lle. In addition you may apply to tall under Schedule C2. See the handle M. 10 (Week 1)	Science, LTA ke other topics from the full list of
Languages Schedule S2(M&CS) Lectures under Mathematics F Mathematics Department countries Part C Schedule C1 applies. Mathematics options. MATHEMATICS AND PHILO Prelims Mathematics: Introduction to University Mathematics	Part B: B1.1- B8.5, are applicable rises natics Part C lectures all apply to sophy Prof. Ian Hewitt	Tu. 3 Ile. In addition you may apply to tale under Schedule C2. See the hands M. 10 (Week 1) Tu. 10 (Week 1)	Science, LTA ke other topics from the full list of the pook for recommended Mathematical Institute, L1
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Languages Schedule S2(M&CS) Lectures under Mathematics F Mathematics Department cour Part C Schedule C1 applies. Mathem Mathematics options. MATHEMATICS AND PHILO Prelims Mathematics: Introduction to University Mathematics Introduction to Complex Numbers	Part B: B1.1- B8.5, are applicable rises natics Part C lectures all apply to sophy Prof. Ian Hewitt Prof. Andy Wathen	Tu. 3 Ide. In addition you may apply to tall Inder Schedule C2. See the hands M. 10 (Week 1) Tu. 10 (Week 1) Tu. 9 (Week 1) W. 9 (Week 1)	Science, LTA ke other topics from the full list of the pook for recommended Mathematical Institute, L1 Mathematical Institute, L1
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Languages Schedule S2(M&CS) Lectures under Mathematics F Mathematics Department cour Part C Schedule C1 applies. Mathem Mathematics options. MATHEMATICS AND PHILO Prelims Mathematics: Introduction to University Mathematics Introduction to Complex Numbers Linear Algebra I Probability	Part B: B1.1- B8.5, are applicable rises natics Part C lectures all apply to sophy SOPHY Prof. lan Hewitt Prof. Andy Wathen Prof. Andy Wathen Prof. Matthias Winkel	Tu. 3 Ide. In addition you may apply to tall ander Schedule C2. See the hands and the schedule C2. See the hands are schedule C3. See the hands are schedule C4. See the hands are schedu	Science, LTA ke other topics from the full list of pook for recommended Mathematical Institute, L1 Mathematical Institute, L1 Mathematical Institute, L1 Mathematical Institute, L1
Languages Schedule S2(M&CS) Lectures under Mathematics F Mathematics Department cour Part C Schedule C1 applies. Mathem Mathematics options. MATHEMATICS AND PHILO Prelims Mathematics: Introduction to University Mathematics Introduction to Complex Numbers Linear Algebra I Probability	Part B: B1.1- B8.5, are applicable rises natics Part C lectures all apply to sophy SOPHY Prof. lan Hewitt Prof. Andy Wathen Prof. Andy Wathen Prof. Matthias Winkel	M. 10 (Week 1) Tu. 10 (Week 1) Tu. 10 (Week 1) W. 9 (Week 1) Tu. 9 (Week 2-8) W. 9 (Weeks 2-8) M. 9 (Weeks 1-8) F. 9 (Weeks 1-8) Th. 9-11 (Weeks 2-8, except	Science, LTA ke other topics from the full list of pook for recommended Mathematical Institute, L1 Mathematical Institute, L1 Mathematical Institute, L1 Mathematical Institute, L1
Mathematics Department cour	Part B: B1.1- B8.5, are applicable rises natics Part C lectures all apply to sophy SOPHY Prof. lan Hewitt Prof. Andy Wathen Prof. Andy Wathen Prof. Matthias Winkel	M. 10 (Week 1) Tu. 9 (Week 1) Tu. 9 (Week 1) Tu. 9 (Week 2-8) W. 9 (Weeks 2-8) M. 9 (Weeks 1-8) F. 9 (Weeks 1) Th. 9 (Week 1) Th. 9-11 (Weeks 2-8, except Week 4)	Science, LTA ke other topics from the full list of pook for recommended Mathematical Institute, L1 Mathematical Institute, L1 Mathematical Institute, L1 Mathematical Institute, L1

		W. 10 (Weeks 1-8, except	
		Week 3)	
		Th. 9-11 (Week 4 only)	
Philosophy:			
	Prof. Alex Kaiserman	W.12	Examination Schools (North
General Philosophy			School)
Introduction to Logic	Prof. Volker Halbach	M.12	Examination Schools (North
			School)
Part A Mathematics:		1	
Line and Almahan	Doct Andrew Devices	M. 9	Made and the allower to the state of the sta
Linear Algebra	Prof. Andrew Dancer	Th. 9	Mathematical Institute, L2
		M. 10	
Metric Spaces and Complex	Prof. Dmitry Belyaev &	T.10	
Analysis	Prof. Panos Papazoglou	W.10	Mathematical Institute, L2
		Th.10	
[These lectures are for compuls	ory subjects]	I.	
Part B Mathematics			
B1.2 Set Theory	Prof. Martin Bays	Th. 3	Mathematical Institute, L2
		F. 3	
[These lectures are for the com	pulsory subject "Foundations".	Other courses listed under math	nematics Part B can be taken: see
the Mathematics & Philosophy s	schedule of units.]		
Part B Philosophy:			
101 Early Modern Philosophy:	Prof. Paul Lodge	Tu. 10	Examination Schools (Room
Descartes			7)
101 Early Modern Philosophy:	Prof. Peter Kail	Th.10	Examination Schools (Room
Hume			6)
102 Knowledge and Reality:	Prof. Bernhard Salow	M. 10	Examination Schools (North
Epistemology			School except Week
			1: Room 7)
122 Philosophy of	Prof. Beau Mount	M. 10	Radcliffe Humanities Lecture
Mathematics			Room
[For further Philosophy lectures	, please consult the Philosoph	y lecture list]	
Part C Mathematics: Logic			
C1.1 Model Theory	Prof Jochen Koenigsmann	W. 9	Mathematical Institute, L4
• · · · · · · · · · · · · · · · · · · ·		Th. 9	, , , , , , , , , , , , , , , , , , , ,
C1.3 Analytic Topology	Prof. Rolf Suabedissen	Tu. 9	Mathematical Institute, L4
one / many are no penegy		F. 9	
[See Philosophy list for Philosophy	l phy subjects which may be offe		
MATHEMATICS AND STATIST			
Prelims			
The lectures above for MATHER	MATICS Prelims all apply.		
Part A	11.7		
	atics Part A, on the compulsor	y subjects of Algebra, Analysis, a	and Differential Equations, all
apply.	, , , , , , , , , , , , , , , , , , , ,	, , , , , , , , , , , , , , , , , , ,	• ,
Part B			
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SB1.1 Applied Statistics	Dr Neil Laws & Prof. Frank	M. 3 (Weeks 1-7)	Department of Statistics		
	Windmeijer	Tu. 3 (Weeks 2-6)			
		Th. 2 (Week 1 only)			
		Practicals: W. 2-3:30 (Weeks			
		3, 5, 8)			
SB2.1 Foundations of	Prof George Deligiannidis	M. 2	Department of Statistics		
Statistical Inference		W. 11			
[Other courses listed under Mathematics Part B can be taken: B1, B2, B3, B4, B5, B6, B7, B8]					
Part C					
SC1 Stochastic Models in	Prof. Simon Myers	M. 12	Department of Statistics		
Mathematical Genetics		W. 4			
SC2 Probability and Statistics	Prof. Gesine Reinert	W. 12 (Weeks 1-7)	Department of Statistics		
for Network Analysis		Th. 11 (Weeks 1-7) Practicals: F. 11-1 (Weeks 2 and 6)			
SC6 Graphical Models	Prof. Robin Evans	M. 9 Tu. 4	Department of Statistics		
SC9 Probability on Graphs	Prof. Christina	Tu. 10	Department of Statistics		
and Lattices	Goldschmidt/Dr Brett Kolesnik	Th. 10			
[Other courses under Mathemat	ics Part C can also be taken.]	,	,		