

MATHEMATICAL SCIENCES

DIVISION OF MATHEMATICAL AND PHYSICAL LIFE SCIENCES

Lecture List for Hilary Term 2021

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 28 January 2021

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. Kevin McGerty, Prof. Nikolay Nikolov & Prof. Dan Ciubotaru	T.2.15–3.30	Links to be published here https://www.maths.ox.ac.uk/events/list/623
Applied Topology	Various	F. 3	Online https://www.maths.ox.ac.uk/events/list/3368
Applied Topology reading group	Prof. Ulrike Tillmann	F. 9	Online https://www.maths.ox.ac.uk/events/list/633
Computational Mathematics and Applications	Prof. Andy Wathen and Dr Tyrone Rees (RAL)	Th.2	Online https://www.maths.ox.ac.uk/events/list/635
Discrete Mathematics and Probability Seminar	Prof Christina Goldschmidt and Prof Alex Scott	Tuesday afternoons. Details in link.	Online (Zoom) http://people.maths.ox.ac.uk/scott/dmp.htm
Fridays@4	Prof. Sam Cohen	F.4	Online https://www.maths.ox.ac.uk/events/list/3005
Functional Analysis	Prof. Stuart White	Th. 4-5:30 Weeks 2, 4, 6, 8	Online. https://sites.google.com/view/uk-operator-algebras-seminar/home
Industrial and Applied Mathematics	Dr Mohit Dalwadi and Dr Matthew Hennessy	Th.12	Online https://www.maths.ox.ac.uk/events/list/646
Junior Algebra and Representation Theory	James Timmins and Ruben LA	F.2	Email james.timmins@maths.ox.ac.uk to be added to the mailing list
Junior Applied Mathematics	Ian Roper	T.12.45–2:00 (even weeks)	Online https://www.maths.ox.ac.uk/events/list/650
Junior Number Theory	Prof. Ben Green	M.4–6	Online https://www.maths.ox.ac.uk/events/list/654
Junior String Theory Seminar	Diego Berdeja-Suarez, Carlo Meneghelli & Atul Sharma	Th. 2	Online https://www.maths.ox.ac.uk/events/list/3678
Junior Topology and Group Theory	Joseph Scull	W. 10	Online https://www.maths.ox.ac.uk/events/list/655
Mathematical Biology & Ecology	Prof. Philip Maini, and Dr Peter Minary	F.2	Online https://www.maths.ox.ac.uk/events/list/659

Mathematical & Computational Finance Seminar	Prof. Rama Cont, Dr RenYuan Xu	Th. 4	Online https://www.maths.ox.ac.uk/events/list/661/all
Mathematical Geoscience	Prof. Ian Hewitt	F.2 (even weeks)	Online https://www.maths.ox.ac.uk/events/list/663
Networks Seminar	Karel Devriendt and Rodrigo Leal Cervantes	T. 2	Online https://www.maths.ox.ac.uk/groups/networks/networks-seminar
Numerical Analysis Internal Seminar	Prof. Yuji Nakatsukasa	T.2	Online https://www.maths.ox.ac.uk/events/list/670
Partial Differential Equations Seminar	Prof. Luc Nguyen	M.4 -5.15	Online https://www.maths.ox.ac.uk/events/list/682
PDE CDT lunchtime seminar	Asad Chaudhary	Th.12	Online https://www.maths.ox.ac.uk/events/list/2895
Quantum Field Theory/Relativity	Dr Keith Hannabuss, Prof Lionel Mason & Dr Florence Tsou	T.12–1:30	Online https://www.maths.ox.ac.uk/events/list/686
Random Matrix Theory Seminar	Prof. Jon Keating	T.3.30 (weeks 1-8)	Online https://www.maths.ox.ac.uk/events/list/3669
Random Matrices from the Classical Compact Groups: a Panorama	Prof. Mark Meckes	M. 1 week 2-8	Online https://www.maths.ox.ac.uk/groups/random-matrix-theory/random-matrices-classical-compact-groups-panorama
Relativity Seminar		T. 12	Online https://www.maths.ox.ac.uk/events/list/688
Set Theory Seminar		W. 4-5:30	Online https://www.maths.ox.ac.uk/events/list/3752
Stochastic Analysis and Mathematical Finance Seminar	Prof. Terry Lyons and Prof Rama Cont	M. 4	Online https://researchseminars.org/seminar/OxfordStochasticAnalysis
String Theory	Prof. Philip Candelas and Prof. Xenia de la Ossa	M.12:45	Online https://www.maths.ox.ac.uk/events/list/695
Topology Seminar	Prof. Cornelia Drutu, Prof. Andras Juhasz & Dr Andre Henriques	M.3:45	Links will be published here https://www.maths.ox.ac.uk/events/list/700
GRADUATE WORKING SEMINARS			
WORKSHOPS			
ADVANCED CLASSES			
Topology	Prof. Ulrike Tillmann and Dr Andre Henriques	M.11	Online
GRADUATE LECTURES			
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 MATHEMATICS OF RANDOM SYSTEMS

C6.2 Continuous Optimisation	Prof. Coralia Cartis		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
C8.2 Stochastic Analysis and PDEs	Prof Harald Oberhauser		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
C8.4 Probabilistic Combinatorics	Prof. Oliver Riordan		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
C8.5 Introduction to Schramm-Loewner Evolution	Prof. Dmitry Belyaev		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
C8.6 Limit Theorems and Large Deviations in Probability	Prof. Zhongmin Qian		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
Optimisation for Data Science	Prof. Raphael Hauser		TBC
SC4 Advanced Topics in Statistical Machine Learning	Dr Tom Rainforth		Pre-recorded lecture available here: https://canvas.ox.ac.uk/course/s/67002/pages/year-4-part-c

See also the permitted electives offered by Imperial College London

M.Sc IN MATHEMATICAL AND COMPUTATIONAL FINANCE

Core Courses

Stochastic Control	Prof. Michael Monoyios	Thu 11-1 Weeks 1-4	Live on Teams
Fixed Income	Prof. Ben Hambly	M. 10 W. 10 Weeks 1-8	Live on Teams
Quantitative Risk Management	Prof. Jan Obloj	M. n 2-4 Weeks 1-4	Live on Teams
Deep Learning	Prof. Justin Sirignano	W. 2-4 Weeks 1-8	Live on Teams

Elective Courses

Advanced Monte Carlo Methods	Prof. Christoph Reisinger	M. 11-1 Weeks 1-4	Live on Teams
Advanced Numerical Methods	Prof. Christoph Reisinger	Th. 2-4 Weeks 1-4	Live on Teams
Stochastic Volatility	Prof. Michael Monoyios	W. 11-1 Th. 11-1 Weeks 5 and 6	Live on Teams
Asset Pricing	Prof. Dan Jones	T. 2-4	Live on Teams

		Weeks 1-4	
Market Microstructure and Algorithmic Trading	Prof. Jan Obloj	M. 11-1 T. 9-11 Weeks 5 and 6	Live on Teams
Optimisation	Prof. Raphael Hauser	W. 11-1 Weeks 1-4	Live on Teams
Computer Programming			
Financial Computing with C++ II	Dr Dmitry Kramkov	M. 2-4 T. 12-2 Th. 2-4 F. 2-5 Weeks 6,7, and 8	Live on Teams
M.Sc IN MATHEMATICAL AND THEORETICAL PHYSICS			
Advanced Fluid Dynamics	Prof. Alex Schekochihin and Prof. Paul Dellar	M.10 M.5	See MTP timetable for Zoom link
Advanced Quantum Field Theory	Dr Lucian Harland-Lang		Pre-recorded lectures https://weblearn.ox.ac.uk/x/b76zky
Applied Complex Variables	Prof. Ian Hewitt		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
Astroparticle Physics	Prof. Subir Sarkar	M.11 (weeks 5-8) Th.11 (weeks 5-8)	See MTP timetable for Zoom link
Collisionless Plasma Physics	Dr Michael Hardman		Pre-recorded lectures https://weblearn.ox.ac.uk/x/b76zky
Cosmology	Prof. Pedro Ferreira		Pre-recorded lectures https://weblearn.ox.ac.uk/x/b76zky
Galactic and Planetary Dynamics	Dr John Magorrian	T.2-4	See MTP timetable for Zoom link
General Relativity II	Dr Jan Sbierski		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
Geometric Group Theory	Prof. Cornelia Drutu		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
Geophysical Fluid Dynamics	Prof. Andrew Wells		Pre-recorded https://canvas.ox.ac.uk/course/s/41794
High Energy Density Physics	Prof. Peter Norreys	T.11-1	See MTP timetable for Zoom link
Introduction to Quantum Information	Prof. Artur Ekert		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
Networks	Prof. Renaud Lambiotte		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
Nonequilibrium Statistical Physics	Prof. Ramin Golestanian	W. 4 Th. 4	See MTP timetable for Zoom link
Renormalisation Group	Dr Adam Nahum	T.9 F. 2	See MTP timetable for Zoom link

Soft Matter Physics	Prof. Ard Louis	Week 5 onwards	Pre-recorded lectures https://weblearn.ox.ac.uk/x/b76zkv
String Theory I	Prof Xenia de la Ossa		Pre-recorded lectures https://weblearn.ox.ac.uk/x/b76zkv
Supersymmetry and Supergravity	Dr Federico Bonetti		Pre-recorded lectures https://weblearn.ox.ac.uk/x/b76zkv
Symbolic, Numerical and Graphical Scientific Programming	Prof. Philip Candelas		Pre-recorded lectures https://weblearn.ox.ac.uk/x/b76zkv
M.Sc IN MATHEMATICAL MODELLING AND SCIENTIFIC COMPUTING			
CORE			
A2 Nonlinear Systems	Prof. Jon Chapman		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
A2 Further Mathematical Methods	Dr Andrew Krause		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
A2 Further Partial Differential Equations	Prof. Ian Griffiths	M. 12	Live on Teams
B2 Continuous Optimisation	Prof. Coralia Cartis		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
Case Studies in Mathematical Modelling	Prof. Philip Maini	W. 10-12 week 1 & 8 W. 2-3 week 8	Live on Teams
Case Studies in Scientific Computing	Dr Kathryn Gillow	M. 2 week 1	Live on Teams
SPECIAL TOPICS			
Applied Complex Variables	Prof. Ian Hewitt		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
Computational Algebraic Topology	Dr Vidit Nanda		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
Elasticity and Plasticity	Prof. Peter Howell		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
Finite Element Methods for Partial Differential Equations	Prof. Patrick Farrell		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
Mathematical Mechanical Biology	Prof. Derek Moulton		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
Mathematical Models of Financial Derivatives	Prof. Sam Cohen		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture

Networks	Prof. Renaud Lambiotte		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
Numerical Solution of Differential Equations II	Prof. Andy Wathen		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
Statistical Mechanics	Prof. Andreas Muench		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
Stochastic Modelling of Biological Processes	Prof. Radek Erban		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
Waves and Compressible Flow	Prof. Jim Oliver		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
M.Sc IN MATHEMATICAL SCIENCES			
The lectures below for MATHEMATICS Part C/OMMS all apply.			
M.Sc IN MATHEMATICS AND THE FOUNDATIONS OF COMPUTER SCIENCE			
Section A: Mathematical Foundations			
<i>Schedule I</i>			
Algebraic Number Theory	Prof. Victor Flynn		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
Commutative Algebra	Prof. Damian Rössler		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
Gödel's Incompleteness Theorems	Dr Robin Knight		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
Lambda Calculus and Types	Hugo Paquet		Available through Computer Science lecture recordings
Lie Groups	Prof. Frances Kirwan		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
<i>Schedule II</i>			
Additive and Combinatorial Number Theory	Prof. Joni Teravainen		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
Axiomatic Set Theory	Dr Rolf Suabedissen		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
Geometric Group Theory	Prof. Cornelia Drutu		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture

Introduction to Schemes	Prof. Alexander Ritter		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
Non-commutative Rings	Prof. Konstantin Ardakov		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
Representation Theory of Semisimple Lie Algebras	Dr Andre Henriques		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
Section B: Applicable Theories			
Schedule I			
Computational Complexity	Prof. Paul Goldberg		See Department of Computer Science for arrangements
Schedule II			
Categorical Quantum Mechanics	Dr Stefano Gogioso	M. 11 Th. 11	Via Teams Department of Computer Science
Computational Algebraic Topology	Dr Vidit Nanda and Prof. Samson Abramsky		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
Computational Game Theory	Prof. Michael Wooldridge		Via Teams Department of Computer Science
Elliptic Curves	Prof. Alan Lauder		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
Networks	Prof. Renaud Lambiotte		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
Probabilistic Combinatorics	Prof. Oliver Riordan		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
Probability and Computing	Prof. Marc Roth	M. 10 Th. 10 Weeks 1-4	Via Zoom Department of Computer Science
MATHEMATICS			
Prelims			
I: Linear Algebra II	Prof. James Maynard		Pre-recorded lecture available here: https://canvas.ox.ac.uk/courses/64592/pages/year-1-prelims
I: Groups and Group Actions	Prof. Ulrike Tillmann		Pre-recorded lecture available here: https://canvas.ox.ac.uk/courses/64592/pages/year-1-prelims
II: Analysis II	Prof. Zhongmin Qian		Pre-recorded lecture available here:

			https://canvas.ox.ac.uk/courses/64592/pages/year-1-prelims
IV: Dynamics	Prof. James Sparks		Pre-recorded lecture available here: https://canvas.ox.ac.uk/courses/64592/pages/year-1-prelims
V: Multivariable Calculus	Dr Richard Earl		Pre-recorded lecture available here: https://canvas.ox.ac.uk/courses/64592/pages/year-1-prelims
V: Fourier Series and PDEs	Prof. Jim Oliver		Pre-recorded lecture available here: https://canvas.ox.ac.uk/courses/64592/pages/year-1-prelims
Computational Mathematics	Dr Estelle Massart		Pre-recorded lecture available here: https://canvas.ox.ac.uk/courses/64592/pages/year-1-prelims
Fridays@2	https://www.maths.ox.ac.uk/events/list/3463/all	F.2	Link to be emailed the week of
Part A			
A3: Rings and Modules	Prof. Tom Sanders		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
A4: Integration	Prof. Charles Batty		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
A5: Topology	Dr Andre Henriques		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
A6: Differential Equations 2	Prof. Renaud Lambiotte		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
A7: Numerical Analysis	Prof. Yuji Nakatsukasa		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
A9: Statistics	Dr Neil Laws		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
A10: Waves and Fluids	Prof. Sarah Waters		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
ASO: Integral Transforms	Prof. Sam Howison		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
Fridays@2	https://www.maths.ox.ac.uk/events/list/3463/all	F.2	Link to be emailed the week of
Part B			
B1.2 Set Theory	Dr Robin Knight		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture

B2.2 Commutative Algebra	Prof. Damian Rössler		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
B3.3 Algebraic Curves	Prof. Andrew Dancer		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
B3.4 Algebraic Number Theory	Prof. Victor Flynn		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
B4.2 Functional Analysis II	Prof. Luc Nguyen		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
B4.4: Fourier Analysis and PDE's	Prof. Jan Kristensen		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
B5.1 Stochastic Modelling of Biological Processes	Prof. Radek Erban		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
B5.4 Waves and Compressible Flow	Prof. Jim Oliver		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
B5.6 Nonlinear Systems	Prof. Jon Chapman		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
B6.2 Numerical Solution of Differential Equations II	Prof. Andy Wathen		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
B7.2 Electromagnetism	Prof. Xenia de la Ossa		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
B7.3 Further Quantum Theory	Prof. Chris Beem		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
B8.2 Continuous Martingales and Stochastic Calculus	Prof. Sam Cohen		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
B8.3 Mathematical Models of Financial Derivatives	Prof. Sam Cohen		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
SB3.1 Applied Probability	Prof Christina Goldschmidt		Pre-recorded lecture videos https://canvas.ox.ac.uk/courses/67002/pages/year-3-part-b
SB1.2 Computational Statistics	Prof Geoff Nicholls and Prof Frank Windmeijer		Pre-recorded lecture videos https://canvas.ox.ac.uk/courses/67002/pages/year-3-part-b
SB2.2 Statistical Machine Learning	Prof Francois Caron		Pre-recorded lecture videos https://canvas.ox.ac.uk/courses/67002/pages/year-3-part-b

OCS1 Lambda Calculus and Types	Hugo Paquet		Available through Computer Science lecture recordings
OCS2 Computational Complexity	Prof. Paul Goldberg		See Department of Computer Science for arrangements
Early Modern Philosophy	Prof. Peter Kail		Recordings – to be made available through Canvas
N102 Knowledge and Reality: Metaphysics	Prof. Ofra Magidor		Recordings – to be made available through Canvas
N127 Philosophical Logic	Prof. James Studd		Recordings – to be made available through Canvas
Fridays@2	https://www.maths.ox.ac.uk/events/list/3463/all	F.2	Link to be emailed the week of
Part C/OMMS			
C1.2 Gödel's Incompleteness Theorems	Dr Robin Knight		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
C1.4 Axiomatic Set Theory	Dr Rolf Suabedissen		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
C2.3 Representation Theory of Semisimple Lie Algebras	Dr Andre Henriques		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
C2.5 Non-commutative Rings	Prof. Konstantin Ardakov		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
C2.6 Introduction to Schemes	Prof. Alexander Ritter		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
C3.2 Geometric Group Theory	Prof. Cornelia Drutu		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
C3.5 Lie Groups	Prof. Frances Kirwan		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
C3.7 Elliptic Curves	Prof. Alan Lauder		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
C3.9 Computational Algebraic Topology	Dr Vidit Nanda		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
C3.10 Additive and Combinatorial Number Theory	Prof. Joni Teravainen		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
C3.11 Riemannian Geometry	Prof. Jason Lotay		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
C4.6 Fixed Point Methods for Nonlinear PDEs	Prof Andrea Mondino		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture

C4.9 Optimal Transport & Partial Differential Equations	Prof. Jose Carrillo de la Plata		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
C5.2 Elasticity and Plasticity	Prof. Peter Howell		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
C5.4 Networks	Prof. Renaud Lambiotte		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
C5.6 Applied Complex Variables	Prof. Ian Hewitt		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
C5.9 Mathematical Mechanical Biology	Prof. Derek Moulton		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
C6.2 Continuous Optimisation	Prof. Coralia Cartis		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
C6.4 Finite Element Methods for Partial Differential Equations	Prof. Patrick Farrell		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
C7.1 Theoretical Physics II	Prof Andrei Starinets		Pre-recorded lecture available here: https://canvas.ox.ac.uk/courses/41795/external_tools/496
C7.4 Introduction to Quantum Information	Prof. Artur Ekert		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
C7.6 General Relativity II	Dr Jan Sbierski		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
C7.7 Random Matrix Theory	Prof. Jon Keating		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
C8.2 Stochastic Analysis and PDEs	Prof Harald Oberhauser		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
C8.4 Probabilistic Combinatorics	Prof. Oliver Riordan		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
C8.5 Introduction to Schramm-Loewner Evolution	Prof. Dmitry Belyaev		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
C8.6 Limit Theorems and Large Deviations in Probability	Prof. Zhongmin Qian		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture

SC4 Advanced Topics in Statistical Machine Learning	Dr Tom Rainforth		Pre-recorded lecture available here: https://canvas.ox.ac.uk/course/s/67002/pages/year-4-part-c
SC5 Advanced Simulation Methods	Dr Gonzalo Mena and Dr Jun Yang		Pre-recorded lecture available here: https://canvas.ox.ac.uk/course/s/67002/pages/year-4-part-c
SC7 Bayes Methods	Prof. Geoff Nicholls		Pre-recorded lecture available here: https://canvas.ox.ac.uk/course/s/67002/pages/year-4-part-c
SC8 Topics in Computational Biology	Prof. Jotun Hein		Pre-recorded lecture available here: https://canvas.ox.ac.uk/course/s/67002/pages/year-4-part-c
Fridays@2	https://www.maths.ox.ac.uk/events/list/3463/all	F.2	Link to be emailed the week of
MATHEMATICS AND COMPUTER SCIENCE			
See the times published by the Dept. of Computer Science http://www.cs.ox.ac.uk/teaching/timetables/			
MATHEMATICS AND PHILOSOPHY			
Prelims			
Mathematics:			
I: Linear Algebra II	Prof. James Maynard		https://canvas.ox.ac.uk/course/s/67003/pages/year-1-prelims
I: Groups and Group Actions	Prof. Ulrike Tillmann		https://canvas.ox.ac.uk/course/s/67003/pages/year-1-prelims
II: Analysis II	Prof. Zhongmin Qian		https://canvas.ox.ac.uk/course/s/67003/pages/year-1-prelims
Philosophy:			
Elements of Deductive Logic	Dr Wesley Wrigley		Recordings – to be made available through Canvas
Part A			
Mathematics:			
A3: Rings and Modules	Prof. Tom Sanders		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
A4: Integration	Prof. Charles Batty		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
A5: Topology	Dr Andre Henriques		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
Part B			
Mathematics:			
[These lectures are for the compulsory subjects. Other courses listed under mathematics Part B can be taken; see the Mathematics and Philosophy course schedules]			
B1.2 Set Theory	Dr Robin Knight		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture

Philosophy: [For further Philosophy lectures, please consult the Philosophy lecture list https://www.philosophy.ox.ac.uk/lectures]			
N101 Early Modern Philosophy	Prof. Peter Kail		Recordings – to be made available through Canvas
N102 Knowledge and Reality: Metaphysics	Prof. Ofra Magidor		Recordings – to be made available through Canvas
N127 Philosophical Logic	Prof. James Studd		Recordings – to be made available through Canvas
Part C			
Mathematics: [These lectures are for the Logic subjects. Other courses listed under mathematics Part C can be taken; see the Mathematics and Philosophy course schedules]			
C1.2 Gödel's Incompleteness Theorems	Dr Robin Knight		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
C1.4 Axiomatic Set Theory	Dr Rolf Suabedissen		Pre-recorded lecture available here: http://www.maths.ox.ac.uk/lecture-capture
Philosophy: [See Philosophy list for Philosophy subjects which may be offered.]			
MATHEMATICS AND STATISTICS			
Prelims			
The lectures above for MATHEMATICS Prelims all apply.			
Part A			
A12: Simulation and Statistical Programming	Prof Patrick Rebeschini and Prof Robin Evans		https://canvas.ox.ac.uk/courses/67002/pages/year-2-part-a
The lectures above for Mathematics Part A all apply.			
Part B			
SB1.2 Computational Statistics	Prof Geoff Nicholls and Prof Frank Windmeijer		Pre-recorded lecture videos https://canvas.ox.ac.uk/courses/67002/pages/year-3-part-b
SB2.2 Statistical Machine Learning	Prof Francois Caron		Pre-recorded lecture videos https://canvas.ox.ac.uk/courses/67002/pages/year-3-part-b
SB3.1 Applied Probability	Prof Christina Goldschmidt		Pre-recorded lecture videos https://canvas.ox.ac.uk/courses/67002/pages/year-3-part-b
[Other courses listed under Mathematics Part B can also be taken]			
Part C			
SC4 Advanced Topics in Statistical Machine Learning	Dr Tom Rainforth		Pre-recorded lecture available here: https://canvas.ox.ac.uk/courses/67002/pages/year-4-part-c
SC5 Advanced Simulation Methods	Dr Gonzalo Mena and Dr Jun Yang		Pre-recorded lecture available here: https://canvas.ox.ac.uk/courses/67002/pages/year-4-part-c
SC7 Bayes Methods	Prof. Geoff Nicholls		Pre-recorded lecture available here: https://canvas.ox.ac.uk/courses/67002/pages/year-4-part-c

SC8 Topics in Computational Biology	Prof. Jotun Hein		Pre-recorded lecture available here: https://canvas.ox.ac.uk/course/s/67002/pages/year-4-part-c
[Other courses under Mathematics Part C can also be taken]			

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.