Last update 07 Jan. 16

MATHEMATICAL TRIPOS PART III

Lectures will be held in the Meeting Rooms (MR) of the *Centre for Mathematical Sciences, Clarkson Road,* unless otherwise stated.

There will be a meeting in *MR2* on Wednesday 7 October 2015 at 9.30 a.m. for all those who intend to offer courses in Part III.

There is a series of meetings for Part III students in MR2, Centre for Mathematical Sciences on Wednesdays at 4.15 p.m. Students are invited to refer to the Part III Handbook for more details.

For a personalised version of the Part III and Graduate timetable, which you can import into your own electronic calendar, please see http://www.timetable.cam.ac.uk.

MICHAELMAS 2015

Hydrodynamic Stability
PROF. C. P. CAULFIELD
M. W. F. 9, *MR4*

Analysis of Partial Differential Equations
DR D. M. A. STUART
M. W. F. 9, *MR5*

Algebraic Number Theory
DR J. A. THORNE
M. W. F. 9, *MR9*

Astrophysical Fluid Dynamics
PROF. G. I. OGILVIE
M. W. F. 9, *MR11*

Quantum Information Theory
DR W. D. MATTHEWS
M. W. F. 9, *MR12*

Stochastic Networks
PROF. F. P. KELLY
M. W. F. 9, *MR13*

Commutative Algebra
DR C. J. B. BROOKES
M. W. F. 10, *MR2*

Distribution Theory and Applications
DR A. ASHTON
M. W. 10, *MR4*

LENT 2016

The Standard Model
DR C. E. THOMAS
M. W. F. 9, *MR3*

Stochastic Calculus
DR J. MILLER
M. W. F. 9, *MR5*

Galactic Astronomy and Dynamics
PROF. N. W. EVANS
M. W. F. 9, *MR11*

Topics in Category Theory
DR I. LOPEZ FRANCO
M. W. F. 9, *MR12*

Fluid Dynamics of Climate
PROF. P. F. LINDEN, DR J. R. TAYLOR
M. W. F. 9, *MR13*

Probabilistic Combinatorics and its Applications
PROF. B. BOLLOBÁS
M. W. F. 10, *MR3* (Sixteen lectures)

Spectral Geometry
DR D. BARDEN
M. W. F. 10, *MR5*

Advanced Cosmology
DR A. D. CHALLINOR, PROF. E. P. S. SHELLARD
M. W. F. 10, *MR13*

EASTER 2016

Classical and Quantum Solitons
PROF. N. S. MANTON
M. Tu. Th. F. 10, *MR4*

Advanced Financial Models
DR M. TEHRANCHI
M. W. F. 10, *MR5*

Fluid Dynamics of the Environment
DR S. B. DALZIEL, DR N. M. VRIEND, PROF. A. W. WOODS
M. W. F. 10, *MR12*

Planetary System Dynamics
DR M. C. WYATT
M. W. F. 10, *MR13*

Quantum Computation
PROF. R. JOZSA
M. W. 10, *MR14*

Introduction to Category Theory
PROF. P. T. JOHNSTONE
M. W. F. 11, *MR3*

Structure and Evolution of Stars
DR A. N. ŻYTKOW
M. W. F. 11, *MR11*

Set-Valued Analysis and Optimisation
DR T. J. M. VALKONEN
M. W. 11, *MR12*

Slow Viscous Flow
PROF. J. R. LISTER
M. W. F. 11, *MR13*

Mathematics of Operational Research
PROF. R. R. WEBER
M. W. F. 11, *MR14*

Cosmology
DR J. R. FERGUSSON
M. W. F. 12, *MR2*

Advanced Probability
PROF. J. R. NORRIS, DR G. RAY
M. W. F. 12, *MR3*

Active Biological Fluids
DR E. LAUGA
M. W. F. 10, *MR14*

Advanced Quantum Field Theory
DR D. B. SKINNER
M. W. F. 11, *MR2*

Representation Theory
DR S. MARTIN
M. W. F. 11, *MR9*

Topics in Ergodic Theory
DR P. VARJÚ
M. W. F. 11, *MR11*

Morse Theory
DR J. RASMUSSEN
M. W. F. 11, *MR13*

Black Holes
PROF. H. S. REALL
M. W. F. 12, *MR3*

Elliptic Partial Differential Equations
DR C. BELLETTINI, DR O. CHODOSH
M. W. F. 12, *MR11*

Statistics for Stochastic Processes
DR J. SÖHL
W. F. 12, *MR13*

Infinite Groups and Decision Problems
DR J. O. BUTTON, DR M. CHIODO
M. W. F. 12, *MR14* (Sixteen lectures)

Techniques in Non-Abelian Additive Combinatorics
PROF. W. T. GOWERS
Tu. Th. 9, *MR4*

Complex Manifolds
PROF. M. GROSS
Tu. Th. S. 9, *MR5*

Algebraic Topology
PROF. I. SMITH
M. W. F. 12, *MR9*

Probabilistic Number Theory
DR A. J. HARPER
M. W. F. 12, *MR12*

Topics in Set Theory
DR O. KOLMAN
M. W. F. 12, *MR13*

Quantum Field Theory
PROF. M. J. PERRY
Tu. Th. S. 9, *MR2*

Computability and Logic
DR T. E. FORSTER
Tu. Th. S. 9, *MR4*

Time Series §
DR J.-M. FREYERMUTH
Tu. Th. 9, *MR9* (Twelve lectures)

Inverse Problems
DR M. BENNING
Tu. Th. 9, *MR14*

Symmetries, Fields and Particles
PROF. N. DOREY
Tu. Th. S. 10, *MR2*

Algebraic Geometry
PROF. C. BIRKAR
Tu. Th. S. 10, *MR4*

Extremal Graph Theory
PROF. A. G. THOMASON
Tu. Th. 10, *MR9*

Extrasolar Planets
DR N. MADHUSUDHAN
Tu. Th. S. 10, *MR12*

Supersymmetry and Extra Dimensions
PROF. F. QUEVEDO
Tu. 9 and W. 10, *MR9*

Dynamics of Astrophysical Discs
DR H. LATTER
Tu. Th. 9, *MR11*

Direct and Inverse Scattering of Waves
DR O. RATH-SPIVACK
Tu. Th. 9, *MR12*

Monte Carlo Inference §
DR K. SADEGHI
Tu. Th. 9, *MR13* (Twelve lectures)

String Theory
PROF. P. K. TOWNSEND
Tu. Th. S. 10, *MR2*

Percolation and Related Topics
PROF. G. R. GRIMMETT
Tu. Th. 10, *MR4*

Modular Forms
PROF. A. J. SCHOLL
Tu. S. 10, *MR9* (Lectures start Tu. 19 January, occasional lectures on Th. to be confirmed by the lecturer, sixteen lectures in total)

Applied Statistics ++
DR D. PIGOLI
Tu. 10, *MR13* and *CATAM Room* (Four lectures and four classes)

Binary Stars
DR C. A. TOUT
Tu. Th. 10, *MR14*

Elliptic Curves
DR T. A. FISHER
Tu. Th. S. 11, *MR3*

Applications of Differential Geometry to Physics
DR M. DUNAJSKI
Tu. Th. 11, *MR5*

Fluid Dynamics of the Solid Earth
DR J. A. NEUFELD
Tu. Th. 10, *MR13*

Applied Statistics ++
DR D. PIGOLI
Tu. Th. 10, *MR14* and *CATAM Room* (Eight lectures and eight classes)

Combinatorics
PROF. I. B. LEADER
Tu. Th. 11, *MR3*

Statistical Field Theory
DR M. B. WINGATE
Tu. Th. 11, *MR5*

Differential Geometry
PROF. P. M. H. WILSON
Tu. Th. S. 11, *MR9*

Origin and Evolution of Galaxies
PROF. M. G. HAEHNELT
Tu. Th. 11, *MR12*

General Relativity
DR U. SPERHAKE
Tu. Th. S. 12, *MR2*

Modern Statistical Methods
DR R. D. SHAH
Tu. Th. 12, *MR4*

Functional Analysis
DR A. ZSÁK
Tu. Th. S. 12, *MR5*

Lie Algebras and their Representations
DR D. I. STEWART
Tu. Th. S. 12, *MR13*

Magnetohydrodynamics
PROF. M. R. E. PROCTOR
Tu. Th. 12, *MR14*

Schramm-Loewner Evolutions
PROF. J. R. NORRIS
Tu. Th. 11, *MR9*

Analysis of Survival Data +
DR P. TREASURE
Tu. Th. 11, *MR12* (Fourteen lectures)

Boundary Value Problems for Linear PDEs
PROF. T. FOKAS
Tu. Th. 11, *MR13*

Topics in Statistical Theory
DR Q. BERTHET
Tu. Th. 12, *MR4*

Perturbation Methods
DR S. J. COWLEY, DR S. S. PEGLER
Tu. Th. 12, *MR5*

Statistics in Medical Practice +
DR R. TURNER ET AL
Th. 4-6, *MR13* (five lectures on 22 Oct., 29 Oct., 5 Nov., 19 Nov., and 26 Nov.)

The following course is non-examinable

Laboratory Demonstrations in Fluid Dynamics
DR S. B. DALZIEL, DR J. A. NEUFELD
W. 2, *Fluids Laboratory*

+ These two courses constitute the 24 lecture course in Biostatistics
++ These two courses constitute the 24 lecture course in Applied Statistics
§ These two courses constitute the 24 lecture course in Time Series and Monte Carlo Inference