Special Topics

Michaelmas Term 2018

- Approximation of Functions [C], Prof Nick Trefethen, C6.3
- Further Mathematical Biology [M], Prof Helen Byrne, B5.5
- Integer Programming [C], Prof Raphael Hauser, B6.3
- Mathematical Geoscience [M], Prof Ian Hewitt, C5.11
- Mathematical Physiology [M], Prof Andrew Fowler, C5.12
- Perturbation Methods [O], Prof Eamonn Gaffney, C5.5
- Solid Mechanics [M], Prof Alain Goriely, C5.1
- Stochastic Differential Equations [O], Prof Harald Oberhauser, C8.1
- Topics in Fluid Mechanics [M], Prof Andrew Fowler, C5.7
- Viscous Flow [M], Prof Paul Dellar, B5.3

Hilary Term 2019

- Applied Complex Variables [O], Prof Ian Hewitt, C5.6
- Computational Algebraic Topology [O], Prof Ulrike Tillmann and Prof Samson Abramsky, C3.9
- ⋆Continuum Models in Industry [M], Dr Ian Griffiths
- Elasticity and Plasticity [M], Prof Peter Howell, C5.2
- Finite Element Methods for PDEs [C], Prof Patrick Farrell, C6.4
- ⋆Mathematical Analytics [O], Prof Peter Grindrod
- Mathematical Mechanical Biology [M], Prof Eamonn Gaffney, C5.9
- Mathematical Models of Financial Derivatives [M], Dr Jeff Dewynne, B8.3
- Mathematics and Data Science for Development [O], Dr Neave O'Clery, C5.10
- ⋆Mathematics for Energy [M], Dr Vassilios Dallas
- Networks [O], Prof Renaud Lambiotte, C5.4
- Numerical Solution of Differential Equations II [C], Dr Ricardo Ruiz Baier, B6.2
- Stochastic Modelling of Biological Processes [M/C], Prof Radek Erban, B5.1
- Theories of Deep Learning [C], Prof Jared Tanner, C6.5
- Waves and Compressible Flow [M], Prof James Oliver, B5.4

Trinity Term 2019

- C++ for Scientific Computing [C], Dr Joe Pitt-Francis
- Python in Scientific Computing [C], Prof Patrick Farrell

Note that the courses marked ⋆ (Continuum Models in Industry, Mathematical Analytics and Mathematics for Energy) are run by the Industrially Focused Mathematical Modelling (InFoMM) CDT and have an upper limit of five students from outside the CDT.