



AIMS

**African Institute for
Mathematical Sciences
SOUTH AFRICA**

AIMS STRUCTURED MASTER'S IN MATHEMATICAL SCIENCES

REVIEW COURSES 2018-19

Dates	Course	Lecturer	Affiliation
12 - 30 Nov	Algebra	Karin-Therese Howell	Stellenbosch University
12 - 30 Nov	Differential Equations	Fernando Pestana da Costa	Aberta University
3 - 21 Dec	Model Theory	Gareth Boxall	Stellenbosch University
3 - 21 Dec	Data Analytics	Pete Grindrod and Jeff Sanders	Oxford University and AIMS South Africa
3 - 21 Dec	Topics in Scientific Computing with Applications	Michael Winckler Christian Mittlestadt	Heldelberg University
24 Dec - 7 Jan	December break		
9 -18 Jan	Mathematics in Industry Study Group	Workshop	AIMS
7 - 25 Jan	Algebraic Number Theory	Rene Schoof and Peter Stevenhagen	Leiden, and Roma Tor Vergata
7 - 25 Jan	Fluid Dynamics	Herbert Huppert and Richard Katz	University of Cambridge, and University of Oxford
7 - 25 Jan	Financial Mathematics	Ronnie Becker	AIMS South Africa
28 Jan - 15 Feb	Introduction to Random Systems, Information Theory, and related topics	Stéphane Ouvry	Université Paris Sud XI
28 Jan - 15 Feb	Quantum Mechanics	Herbert Wiegel	Stellenbosch University
28 Jan - 15 Feb	Industrial Modelling	Neville Fowkes	University of Western Australia
18 - 22 Feb	Reading week		
25 Feb - 1 Mar	Entrepreneurship case studies	Stefan Jaehnichen	TU Berlin
25 Feb - 15 Mar	Analytical Techniques in Mathematical Biology	Wilson Lamb	Strathclyde

25 Feb - 15 Mar	Computational Algebra	Wolfram Decker and Gerhard Pfister	TU Kaiserslautern
25 Feb - 15 Mar	General Relativity	Costas Zoubos	University of Pretoria
18 Mar - 5 Apr	Solitons	Patrick Dorey	Durham University
18 Mar - 5 Apr	Algebraic Biology	Elena Dimitrova	Clemson University
18 Mar - 5 Apr	Quantum Field Theory	Konstantinos Zoubos	University of Pretoria