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**African Institute for
Mathematical Sciences
CAMEROON**

AIMS Cameroon Academic Provisional Agenda 2018-2019

N°	Phase	Period	Type of activity	Course/Activity title	Lecturer(s)	Affiliation	Country
OR 01	Skills Phase 1	October 15 – November 02	Skills Block 1	Orientation	AIMS Staff	AIMS Cameroon	Cameroon
OR 02				Intensive Language Training	Prospare Chuansi Doko & Ruth Kigne Noubessi	Linguistic Bilingual Training Center	Cameroon
SC 01				Introductory Programming with Python	Tutors	AIMS Cameroon	Cameroon
SC 02				Mathematical Problem Solving	Dr. Ferdinand Ngakeu	University of Douala	Cameroon
SC 3.1				Refresher: Analysis (1 week)	Tutors	AIMS Cameroon	Cameroon
SC 3.2		November 05- 23	Skills Block 2	Refresher: Algebra (1 week)	Prof. Marco Garuti & Tutors	AIMS Cameroon	Cameroon
SC 04	Statistics Problem Solving			Prof. Roger Stern & Dr. Daniel Parsons	University of Reading	UK	
RC 1.1	Review Phase 1	November 26 – December 14	Review Block 1	PDEs of Mathematical Physics	Prof. Werner Varnhorn	Universität Kassel	Germany
RC 2.1			Review Block 2	Differential Calculus	Dr. Ferdinand Ngakeu & Dr. Roger Tagne Wafo	University of Douala	Cameroon
RC 2.2		Introduction to Algebraic Geometry		Prof. Marco Garuti	AIMS Cameroon	Italy	



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RC 2.3				Mathematical modelling of dynamic systems	Prof. Martin Eichner	Universität Tübingen	Germany
SC 3.3	Skills Phase 2	December 17-22; December 26-29; January 2-5	Skills Block 3	Refresher: Measure and Probability	Tutors	AIMS Cameroon	Cameroon
SC 05				Computational Mathematics with Sage	Dr. Daniel Duviol Tcheutia	Universität Kassel	Germany
SC 06				Physics Problem Solving	Dr. Etienne Wamba	Technische Universität Kaiserslautern	Germany
Christmas Holidays							
RC 3.1	Review Phase 2	January 07-25	Review Block 3	Advanced data analysis and visualization techniques	Dr. Charalampos Chanialidis	University of Glasgow	UK
RC 3.2				Scientific Computing	Prof. Georg Bader	BTU Cottbus	Germany
RC 3.3				Gravitation: from Newton to Einstein	Dr. Pierre Fleury	Université de Genève	Switzerland
RC 3.4				Statistical Inference	Prof. Jane Hutton & Prof. Julia Mortera	Warwick University & Università Roma 3	UK & Italy
RC 4.1		January 28 – February 15	Review Block 4	Geostatistical models for public health	Dr. Emanuele Giorgi	Lancaster University	UK
RC 4.2				Mathematical and Numerical Aspects of Vibration Control	Prof. Blaise Romeo Nana Nbandjo	University of Yaounde I	Cameroon
RC 4.3				Control Theory	Prof. Gisèle Mophou Loudjom	AIMS Cameroon Research Chair	France
LW 01		February 18-22		Professional Development			
RW 01		February 23-26	Reading week				



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RC 5.1	Review Phase 2	February 27 – March 15	Review Block 5	Mathematical Modelling of Infectious Diseases	Prof. Robert Smith?	University of Ottawa	Canada
RC 5.2				Statistics of Mathematical Population Genetics	Prof. Kristan Schneider	Hochschule Mittweida	Germany
RC 5.3				Operations Research	Prof. Giovanni Andreatta	Università di Padova	Italy
RC 6.1		March 18 – April 05	Review Block 6	Data Analytics	Dr. Bubacarr Bah	AIMS South Africa Research Chair	South Africa
RC 6.2				Introduction to the Calculus of Variations	Prof. Dorothee Knees	Universität Kassel	Germany
RC 6.3				Stochastic Analysis	Dr. Antoine Marie Bogso	University of Yaounde I	Cameroon
RC 7.1		April 08-20	Review Block 7	Interpolation Approximation and Orthogonal Polynomials	Prof. Mama Foupouagnigni	AIMS Cameroon	Cameroon
RC 7.2				Econometrics (to be confirmed)	Prof. Thomas Kigabo Ruzuhuswa	National University of Rwanda & Rwandan Central Bank	Rwanda
RC 7.3				Financial Mathematics: Discrete-Time Option Pricing	Prof. Ralf Wunderlich	BTU Cottbus	Germany
EPh 01	Essay Phase	April 22 – May 31	Essay Preparation Phase	Working on Essay Topics (6 weeks)	Supervisors		
Eph 02		June 03-13	Preparation for Defense	Additional Reading and Rehearsals			
Eph 03		June 14-19	Defenses	Oral presentations			



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Gr 01	Graduation	June 20-26	Preparation for Graduation	Preparation for Graduation + Volunteering			
Gr 02		June 27	Graduation Day				
	Departure	June 28-30	Departures				