

**2015 AFRICAN MATHEMATICAL SCHOOL “ALGEBRAIC STRUCTURES,  
CRYPTOGRAPHY, NUMBER THEORY AND APPLICATIONS**

PROVISIONAL TIMETABLE

TABLE 1. Timetable for the first part: Cryptography and Number Theory

	Monday 13th	Tuesday 14th	Wednesday 15th	Thursday 16h	Friday 17th	Saturday 18th
9:00 - 9:50	Free	Elementary number theory and cryptography	Elementary number theory and cryptography	Elementary number theory and cryptography	Elliptic curves and cryptography	Evaluation
10:00 - 10:50		Algebraic number theory and cryptography	Algebraic number theory and cryptography	Algebraic number theory and cryptography	Primality tests	
11:00 - 11:50		Elliptic curves and cryptography	Primality tests	Elliptic curves and cryptography	Primality tests	Free
11:50 - 15:00	Lunch break					
15:00 - 15:50	Elementary number theory and cryptography	Tutorials (M. Waldschmidt)	Tutorials (A. Togbé)	Tutorials (F. Pappalardi)	Tutorials (F. Tanoé)	
16:00 - 16:50	Primality tests					
17:00 - 17:50	Elliptic curves and cryptography	Free	Free	Free	Free	

TABLE 2. Timetable for the second part: Algebraic Structures and Applications

	Monday 20th	Tuesday 21st	Wednesday 22nd	Thursday 23rd	Friday 24th	Monday 27th	Tuesday 28th
9:00 - 9:50	Finite groups (part 1, N. Furtado)	Finite groups (part 1, T. Goncalves)	Algebras and modules (E. N. Marcos)	Free	Algebras and modules (E. N. Marcos)	Octonions (A. Elduque)	Octonions (A. Elduque)
10:00 - 10:50	Finite groups (part 1, N. Furtado)	Finite groups (part 3, I. Kashuba)	Algebras and modules (E. N. Marcos)		Algebras and modules (E. N. Marcos)	Octonions (A. Elduque)	Octonions (A. Elduque)
10:50 - 11:20	Coffee break				Coffee break		
11:20 - 12:10	Finite groups (part 1, T. Goncalves)	Finite groups (part 3, I. Kashuba)	Finite groups (part 3, I. Kashuba)		Applications (Z. Bartosiewicz)	Applications (Z. Bartosiewicz)	Lecture by V. Futorny/A. Shindyapin
12:10 - 14:00	Lunch break				Lunch break		
14:00 - 14:50	Finite groups (part 1, T. Goncalves)	Algebras and modules (E. N. Marcos)	Lie theory (V. Futorny)		Applications (Z. Bartosiewicz)	Lecture by L. Todjihoundé	
14:50 - 15:20	Coffee break				Coffee break		
15:20 - 16:10	Lie theory (V. Futorny)	Finite groups (part 4, P. Le Meur)	Finite groups (part 4, P. Le Meur)		Lie theory (V. Futorny)	Lecture by S. Duquesne	
16:10 - 17:00	Lie theory (V. Futorny)	Finite groups (part 4, P. Le Meur)	Finite groups (part 4, P. Le Meur)		Finite groups (part 4, P. Le Meur)	Lecture by C. Cibils	
17:10 - 18:00	Questions session	Questions session	Questions session		Questions session	Questions session	