Mathcamp 2013 Four-Week Schedule

Time	Week 1	Week 2	Week 3	Week 4
9:10am	Partially Ordered Sets 🌶🌶🌶 (Kevin)	Hydrogen Atom 🌶🌶🌶 (*David Jordan*)	Quantum Computation 🌶🌶🌶 (Matt)	[**HW**] Origami 🌶🌶🌶 (Zach)
	Combinatorial Games 🌶🌶 (Alfonso)	Surfaces (week 1 of 2) 🌶🌶 (Susan)	Multilinear Algebra 🌶🌶🌶 (Asi & Waffle)	Curvature of Polyhedra 🌶 (Nic)
	Group Theory 🌶🌶🌶 (Mark)	Probability (week 2 of 2) 🌶🌶 (Aaron)	Surfaces (week 2 of 2) 🌶🌶 (Susan)	Approximation 🌶🌶–🌶🌶🌶 (Paddy)
	[**HW**] PS: Polynomials 🌶🌶🌶🌶 (Pesto)	Models of Computation 🌶🌶 (Pesto)		Auction Theory 🌶🌶🌶 (*Glenn Ellison*)
	Cryptography 🌶→🌶🌶 (Matt)	Ring Theory 🌶🌶🌶 (Mark)		Rep Theory (week 2 of 2) 🌶🌶🌶🌶 (Mark)
10:10am	Euler 🌶🌶 (*Jon Tannenhauser*)	Matrix Groups 🌶🌶🌶 (Asi)	Graph Minors 🌶🌶🌶 (Alex & Marisa)	Fractal Geometry 🌶🌶 (*Julian Gilbey*)
	[**HW**] Number Theory 🌶🌶 (Ruthi)	Proof Writing 🌶–🌶🌶 (Mira)	Harmonic Analysis 🌶🌶🌶🌶 (Ari & Dave)	*John Conway* 🌶–🌶🌶🌶🌶🌶
	Inside Convexity 🌶🌶🌶 (Alex)	Symmetric Functions and Schubert Calculus (week 1 of 2) 🌶🌶🌶 (Nic & Kevin)	Representation Theory (week 1 of 2) 🌶🌶🌶 (Mark)	Billiards 🌶🌶🌶🌶 (*Craig Sutton*)
	Continuum Hypothesis 🌶🌶🌶🌶 (Susan)	Epsilon the Enemy 🌶🌶 (Ruthi)		Geometry (TBA) 🌶🌶🌶 (*Moon Duchin*)
	Linear Algebra 🌶🌶 (Nic)	Set Theory 🌶🌶🌶 (Waffle)		
11:10am	[**HW**] Abstraction 🌶 (Mira)	Reverse Mathematics 🌶🌶 (Steve & Matt)	Polynomial Method 🌶🌶🌶🌶 (Pesto)	Category Theory 🌶🌶🌶🌶 (Waffle)
	4.99 Color Theorem 🌶🌶 (Noah)	Chip Firing and Sandpiles 🌶🌶–🌶🌶🌶 (*Sam Payne & Dave Jensen*)	Continued Fractions 🌶🌶 (Dave)	TBA (Mark)
	Hindman's Theorem 🌶🌶🌶🌶 (Steve)	Using Linear Alg. 🌶🌶🌶 (*Po-Shen Loh*)	Symmetric Functions and Schubert Calculus (week 2 of 2) 🌶🌶🌶 (Nic & Kevin)	Elections: Influence and Stability 🌶🌶 (Tim!)
	Probability (week 1 of 2) 🌶→🌶🌶 (Aaron)	Bruhat Orderings 🌶🌶🌶 (*Ben Elias*)		Sym. Group Reps. 🌶🌶🌶 (Kevin & Alex)
	Multiparty Communication 🌶🌶🌶 (Tim!)	Topology of Surfaces 🌶🌶🌶 (*Scott Taylor*)		
1:10pm	Intro to Graph Theory 🌶 (Marisa)	Functions of a Complex Variable (week 1 of 2) 🌶🌶🌶 (Mark)	Functions of a Complex Variable (week 2 of 2) 🌶🌶🌶 (Mark)	Flows 🌶🌶–🌶🌶🌶 (Pesto)
	[**HW**] Category of Sets 🌶🌶🌶 (Waffle)	[**HW**] Probabilistic Method 🌶🌶 (Tim!)	Voting Theory 🌶 (Alfonso)	Littlewood-Offord Problem 🌶🌶 (Susan)
	Spacetime 🌶🌶🌶 (*Jim Gates*)	Cut That Out! 🌶🌶 (Zach)	[**HW**] Travelling Salesman Problem 🌶🌶–🌶🌶🌶 (*Gwen Spencer*)	Hyperreals 🌶🌶🌶 (*Don Laackman*)
	Geometry is Awesome 🌶🌶 (Zach & Asi)	Finding the Perfect Match 🌶🌶 (Alex)		[**HW**] Flag Varieties 🌶🌶🌶🌶 (Asi)
	Multivariable Calculus 🌶🌶🌶 (Mark)			
Superclasses				
9:10am–11am, 3:10pm–4pm			Machine Learning 🌶🌶 (Tim! & Mira)	Algebraic Number Theory 🌶🌶🌶🌶 (Ruthi)
			Communcation Complexity 🌶🌶🌶 (*Marcin Kotowski*)	Metric Spaces 🌶🌶 (Alfonso & Nina)
			Mathematical Sculpture 🌶 (*George Hart & Zach*)	
11:10am–12pm, 1:10pm–3pm	Partizan Game Theory 🌶🌶 (Alfonso)	Combinatorics of Partitions 🌶🌶 (*Michal Kotowski*)	Rewrite Systems 🌶 (Aaron)	
	Programming in Haskell 🌶🌶🌶 (Nic)	Commutative Algebra 🌶🌶🌶 (Ruthi)	PRIMES is in P 🌶🌶🌶 (Mira & Matt)	
		Markov Algorithms 🌶 (Aaron)		

Key: [**HW**]—Homework Required