

Mathcamp 2017 Tentative Four-Week Schedule

Time	Week 1	Week 2	Week 3	Week 4	
9:10	All Things Manifolds 🍷 (Apurva)	Complex Analysis 🍷 (Mark)	Classification of Subgroups of $GL_2(F_q)$ 🍷 (Aaron)	Bernoulli Numbers 🍷 (Lara)	
	Generating Functions and Regular Expressions 🍷 (Linus)	Hyperplane Arrangements 🍷 (Kevin)	Cubic Curves 🍷 (Mark)	Quivers 🍷 (Asilata Bapat)	
	Group Theory 🍷 (Mark)	Math and Brains 🍷 (Nora Youngs)	Problem Solving: Probabilistic Method 🍷 (Tim)	TBD 🍷 → 🍷 (Alfonso Gracia-Saz)	
	Real Analysis 🍷 (Nic Ford)	Planar Algebras 🍷 (Noah Snyder)	TBD i ? (Zach Abel)	The Traveling Salesman Problem: Recent Research 🍷 (Sam)	
	The Kakeya Conjecture 🍷 (Yuval)	Set Theory 🍷 (Steve)	The Logistics of Zombies: Cobwebs and Chaos 🍷 (Beatriz)		
10:10	Banach-Tarski 🍷 (Andrew Marks)	Analytic Number Theory 🍷 (Djordje Milicevic)	Pseudo-Telepathy 🍷 (Jalex)	Combinatorial Gems 🍷 (Alfonso & Kevin)	
	Graph Theory 🍷 (Marisa)	Riemann and Series 🍷 (Lara)	Axiomatic Probability 🍷 (Sam)	How to Define the Square Root 🍷 (Apurva)	
	Multivariable Calculus Crash Course 🍷 (Mark)	Systems of Differential Equations 🍷 (Mark)	How to Pronounce "Lucas" 🍷 (Misha)	Math Writing Workshop 🍷 (Beatriz)	
	The Fundamental Group 🍷 (Aaron)	Underhanded Tricks with Markov Chains 🍷 (Misha)	Hyperreal Numbers 🍷 (Don & Tim)	Riemann Surfaces 🍷 (Aaron)	
	Wallpaper Patterns 🍷 (Susan)	Vertex-Transitive Polytopes 🍷 (Viv)	Ramsey Theory 🍷 (Lynn Scow)	TBD 🍷 → 🍷 (Mark)	
11:10	Linear Algebra 🍷 (Don)	Cloudy with a Chance of the Continuum Hypothesis 🍷 (Angela)	Coloring the Hyperbolic Plane 🍷 (Ina)	Complex Analysis 🍷 (Mark)	Advanced Complex Analysis 🍷 → 🍷 (Yuval)
	Mathcamp Crash Course 🍷 (Tim)	Coloring Graphs on Surfaces 🍷 (Marisa)	Quadratic Field Extensions 🍷 (Lara)	Quadratic Field Extensions 🍷 (Lara)	Calculus Without Calculus 🍷 (Tim)
	Metric Space of Metric Spaces 🍷 (Steve)	Cryptography, and How to Attack It 🍷 (Linus)	Symmetries of Spaces 🍷 (Apurva)	Symmetries of Spaces 🍷 (Apurva)	Finite Geometries 🍷 (J-Lo)
	Not Your Grandparents' Algorithms Class 🍷 (Sam)	Finite Fields 🍷 (Aaron)	Voting Systems 🍷 (Mira & Ari)	Voting Systems 🍷 (Mira & Ari)	Fractals and Dimension 🍷 (Steve)
	Weak Separation 🍷 (Kevin)	Mathematica Workshop 🍷 (Beatriz)	Young Tableaux 🍷 (Kevin)	Young Tableaux 🍷 (Kevin)	Special Relativity 🍷 (Lotta)
1:10	From the Intermediate Value Theorem to Chaos 🍷 (Beatriz)	Euler Characteristic 🍷 (Apurva)	Ancient Greek Mathematics 🍷 (Yuval)	Ancient Greek Mathematics 🍷 (Yuval)	Decomposing and Factoring 🍷 (Marisa)
	Prime Numbers 🍷 (Lara)	Evasiveness 🍷 (Tim)	Constructive Logic 🍷 (Anti Shulman)	Constructive Logic 🍷 (Anti Shulman)	Division Rings 🍷 (Susan)
	Problem Solving: Geometric Transformations 🍷 (Misha)	Ring Theory 🍷 (Susan)	Cryptography, and How to Attack It 🍷 (Linus)	Cryptography, and How to Attack It 🍷 (Linus)	Logic Puzzles 🍷 (Don)
	The Bell Curve 🍷 (Mira)	Shannon Capacity of Graphs 🍷 (Yuval)	Division Rings 🍷 (Susan)	Division Rings 🍷 (Susan)	Problem Solving: Diophantine Equations 🍷 (Misha)
	Urban Planning 🍷 (Luke Joyner)	Turing and His Work 🍷 → 🍷 (Sam)	Voting Systems 🍷 (Mira & Ari)	Voting Systems 🍷 (Mira & Ari)	Trail Mix 🍷 → 🍷 (Mark)