

Mathcamp 2025 Week 3 Schedule

Time	Room	Tuesday	Wednesday	Thursday	Friday	Saturday	
9:30–10:20	JR 101	Assembly (Council Chamber)	Oops All Algebra: An Introduction to Infinity Categories  (Purple)				
	JR 102		Magic of Harmonic Functions  (<i>Alan Chang</i> & Laithy)				
	JR 103		Calculus Without Limits  (Glenn)			Slide Rules  (Glenn)	
	JR 132		[HR] Model Theory  (<i>Aaron Anderson</i>)				
	JR 135		Diophantine Approximation and Transcendental Number Theory  (<i>Sarah Peluse</i>)			Diophantine Approximation and the Putnam  (Misha)	
10:30–11:20	JR 101	Infinity Categories	Cut That Out!  (Zach)				
	JR 102	Harmonic Functions	Computing Past Infinity  (Della)				
	JR 103	Calculus w/o Limits	Orthogonal Projections  (Riley)				
	JR 132	Model Theory	Functions of a Complex Variable (Week 2 of 2)  (Mark)				
	JR 135	Diophantine Approximation	The Hales–Jewett Theorem  (Misha)				
11:30–12:20	BD 300	Hat Puzzles  (Nikita)					
	JR 101	QR Factorization  (Kaia)					
	JR 103	Geometric Group Theory (Week 2 of 2)  (Arya)					
	JR 132	Representation Theory of Finite Groups (Week 1 of 2)  (Mark)					
	JR 135	Dirichlet’s Class Number Formula  (<i>Viv Kuperberg</i>)					
12:20–1:20	Fowler	Lunch				12:20–3:00	Lunch and Academic Advisor Meetings
1:30–2:20	BD 300	Einstein’s Theory of Gravity 1: Special Relativity  (Laithy)				3:10–4:00	Special Relativity
	JR 102	(80 mins) Problem-Solving: Cheating in Geometry  →  (<i>Zack Chroman</i>)					PS: Cheating in Geometry
	JR 103	(80 mins) Reverse Flash: Fractal Geometry  (Narmada)					Reverse Flash: Fractal Geometry
	JR 132	Infinite Trees (Week 1 of 2)  (Susan)					Infinite Trees
	JR 135	Continuous But Nowhere Differentiable Functions Are Everywhere  (Charlotte)					nABCDEF
2:20–4:20	Quad ²	TAU				4:10–5:30	Relays in the Non-angular Quad
4:30–5:20	Council Chamber	Sparsest Cut and Metric Spaces (<i>Alan Chang</i>)	Chebyshev’s bias (<i>Viv Kuperberg</i>)	Tic-tac-toe and Additive Combinatorics (<i>Sarah Peluse</i>)	Ra(n)do(m) Graph (<i>Aaron Anderson</i>)		
5:30–7:00	Fowler	Dinner					

Key: [HR]—Homework Required