Mathcamp 2025 Week 2 Schedule

Time	Room	Tuesday	Wednesday	Thursday	Friday	Saturday
9:30–10:20	JR 101	**Assembly (Council Chamber)**	Introduction to Graph Theory 🐾🐾 (*Mira Bernstein*)			
	JR 102		**[HR]** Geometric Group Theory (week 1 of 2) 🐾🐾 (Arya)			
	JR 103		Embeddings, Universality, Hedgehogs, and Metrization 🐾🐾🐾 (*Ben Dees*)			
	JR 132		Introduction to Ring Theory 🐾🐾🐾 (Mark)			
	JR 135		Hilbert Spaces over $\mathbb{C}$: What does $1\frac{1}{2}$ linear mean and why is it so helpful? 🐾🐾🐾 (Audrey)			
10:30–11:20	JR 101	Graph Theory	Badly Behaved Sets 🐾🐾 (Sam)			
	JR 102	Geom. Group Theory	Triangles in a Square: How Hard Can It Be? 🐾🐾 (Glenn)			
	JR 103	Hedgehog	Finite Geometries 🐾 (Misha)			
	JR 132	Ring Theory	Singular Value Decomposition 🐾🐾🐾 (Kaia)			
	JR 135	Hilbert Spaces	Introduction to Descriptive Set Theory 🐾🐾🐾🐾 (Maya)			
11:30–12:20	JR 101	Polynomial Methods in Combinatorics 🐾 (Charlotte and Narmada)				
	JR 102	Breaking the Axiom of Choice 🐾🐾🐾🐾 (Steve)				
	JR 103	Arithmetical Structures on Graphs 🐾🐾 (*Joel Louwsma*)				
	JR 132	Functions of a Complex Variable (week 1 of 2) 🐾🐾🐾 (Mark)				
	JR 135	Homomorphic Encryption 🐾🐾 (Eric)				
12:20–1:20	Fowler	Lunch				12:20–3:00 Lunch and Academic Advisor Meetings
1:30–2:20	JR 101	**[80 mins]** Problem-Solving: Induction 🐾–🐾🐾🐾 (Zach)				3:10–4:00 PS: Induction
	JR 102	Category Theory from Scratch 🐾🐾🐾 (Della and Purple)				Category Theory
	JR 103	Catalan Structures 🐾🐾 (Riley)				Catalan Structures
	JR 132	The Shape and Soul of a Surface: Gauss-Bonnet Theorem 🐾🐾🐾 (Laithy)			Sudokus 🐾🐾 (Nikita)	Solving Sudokus
	JR 135	The Other Other Analytic Number Theory (week 2 of 2) 🐾🐾🐾 (*Dave Savitt*)				Other Other NT
2:20–4:20	Quad[2]	TAU				4:10–5:30 Relays in the Non–angular Quad
4:30–5:20	Council Chamber	Project Fair (Staff)	Chip Firing on Graphs (*Joel Louwsma*)	What if Algebra but Equality is Vibes? (Purple)	On Colors (Nikita)	
5:30–7:00	Fowler	Dinner				

Key: **[HR]**—Homework Required