

[REVISED] Mathcamp 2019 Week 3 Schedule

Time	Room	Tuesday	Wednesday	Thursday	Friday	Saturday	
7:30–9:00	Fields Dining Hall	Breakfast					
9:10–10:00	JR Howard 123	Assembly (Council Chamber)	[HR] The Weierstrass φ Function 🌀🌀🌀 (Assaf)				
	JR Howard 132		Systems of Differential Equations 🌀 (Mark)				
	JR Howard 133		Fundamental Groups 🌀 (Kayla)				
	JR Howard 135		[A] Graph Coloring and Containment 🌀 (Pesto)				
	Olin 204		Young Tableaux and Combinatorics 🌀 (Shiyue)				
10:10–11:00	JR Howard 123	The Weierstrass φ Function	[A, HR] From High School Arithmetic to Group Cohomology 🌀 (Apurva)				
	JR Howard 132	Systems of Differential Equations	Units in Algebraic Number Theory 🌀 (Kevin)				
	JR Howard 133	Fundamental Groups	Non-Euclidean Geometries 🌀 (Véronique)				
	JR Howard 135	Graph Coloring and Containment	[HR] Probabilistic Models and Machine Learning 🌀 (Mira)				
	Olin 204	Young Tableaux and Combinatorics	Functions of a Complex Variable (2/2) 🌀 (Mark)				
11:10–12:00	JR Howard 123	[A] Problem Solving: Induction 🌀 (Misha)					
	JR Howard 132	Real Analysis (2/2): Measures 🌀🌀 (Ben)					
	JR Howard 133	Thinking of Images as Mathematical Objects 🌀 (<i>Olivia Walch</i>)	The Sound of Proof 🌀 (Eric)				
	JR Howard 135	Quantum Mechanics 🌀 (<i>Nic Ford</i>)					
	Olin 204	[A] All About Quaternions (2/2) 🌀 (Assaf + J-Lo)					
11:30–1:00	Fields Dining Hall	Lunch					
1:00–1:50	JR Howard 123	Breaking Bad (RSA Encryption) 🌀 (Michael)					
	JR Howard 132	Permutation Combinatorics 🌀 (Bill)					
	JR Howard 133	Polytopes (Higher Dimensional Polygons) 🌀 (<i>Angélica Osorno</i>)	Not-Proofs of Fermat's Last Theorem 🌀 (Gabrielle)				
	JR Howard 135	[HR] Quiver Representations 🌀🌀 (Will)					
	Olin 204	[A] Everything You Ever Wanted to Know About Finite Fields 🌀 (Eric)					
2:00–4:00	Fields Dining Hall	TAU			2:00–3:30	AA Meetings (bring your blurbs!)	
4:10–5:00	Olin 301	The Most Depressing Theorem I Know (Mira)	Why Should We Care About Category Theory? (<i>Angélica Osorno</i>)	Tracking Your Body's Internal Time (<i>Olivia Walch</i>)	Dictionary Shapes (J-Lo)	3:45–5:15	Relays in the Pool (Optional: swimsuits+towels)
5:00–6:30	Fields Dining Hall	Dinner					

Key: [HR]—Homework Required [A]—Active learning