

[REVISED] Mathcamp 2022 Week 1 Schedule

Time	Room	Tuesday	Wednesday	Thursday	Friday	Saturday	
7:00–9:00	Dana	Breakfast					
9:10–10:00	Keyes 102	Introduction to number theory 🌀 (Mark)					
	Olin 01	[HR] Computability theory 🌀🌀 (Steve)					
	Lovejoy 119	The answer is χ 🌀 (Assaf)					
	Lovejoy 215	Machine geometry 🌀 (Misha)					
	Lovejoy 103	[HR] Introduction to graph theory 🌀 (Narmada)					
10:10–11:00	Keyes 102	Generating functions, Catalan numbers, and partitions 🌀 (Mark)					
	Lovejoy 103	Cluster algebras from surfaces 🌀🌀 (Kayla)					
	Lovejoy 119	The geometry of music 🌀 (Emily)					
	Olin 01	Complexity theory 🌀 (Linus)					
	Lovejoy 215	Introduction to group theory 🌀 (Susan)					
11:10–12:00	Keyes 105	Introduction to linear algebra 🌀 (Misha)					
	Lovejoy 103	The mathematics of forbidden words 🌀 (Travis)					
	Lovejoy 119	Degree theory 🌀 (Zoe)					
	Olin 01	Overly convoluted plans 🌀 (Ben)					
	Lovejoy 215	[HR] Introduction to real analysis: epsilons and deltas 🌀 (Charlotte)					
12:00–1:00	Dana	Lunch					
1:10–2:00	Davis 308	[HR] Formal proof verification in Lean 🌀 (Aaron)					
	Keyes 105	Martingales 🌀 (Yuval)					
	Lovejoy 103	[HR] Crash course 🌀 (Assaf)					
	Lovejoy 119	Jacobi sums 🌀🌀 (Dave Savitt)					
	Lovejoy 215	[HR] Learn topology with PALs! 🌀 (Arya)					
2:00–4:00	Lovejoy Lobby	TAU			2:00–3:30	AA Meetings	
4:10–5:00	Page Commons	Applied game theory (<i>Po-Shen Loh</i>)	Three-term arithmetic progressions (Yuval)	Counting things with bad maps (Zoe)	1,2,5,14...FRIEZE 🌀 (Kayla)	3:45–5:15	Relays in the Quad (bring water!)
5:00–8:00	Dana	Dinner					

Key: [HR]—Homework Required