

Mathcamp 2024 — Week 3 Schedule [REVISED]

		Tuesday	Wednesday	Thursday	Friday	Saturday	
9:10–10 am	M103	Mandatory Assembly (McIntyre 103)	T193	Commutative algebra/algebraic geometry (week 1 of 2) 🌀🌀🌀 (Mark)			
			T197	Roots of unity	[HW] Hilbert's third problem 🌀 (Narmada)		
			T387	Kolmogorov	The random graph and 0-1 laws 🌀 (Krishan)		
			W218	House wins	Topology to prove calculus 🌀 (Ruthi Hortsch)		
			W402	What do we do when we do math? 🌀 (Maya)			
10:10–11 am	T193	Commutative alg. (1/2)	Field extensions and Galois theory (week 1 of 2) 🌀 (Mark)				
	T197	Roots of unity 🌀 (Chloe)	T387	🔪 Eigenvalues and eigenvectors through an engineer's eyes 🌀 (Elizabeth)			
	T387	Kolmogorov Complexity 🌀 (Krishan)	Bernoulli numbers canceled				
	W218	The house always wins 🌀 (Misha)	Topological graph theory 🌀 (Marisa)				
	W402	What do we do?	Wallpaper patterns (week 1 of 2) 🌀 (Susan)				
11:10 am–noon	T171	Continued fractions and Pell's equation 🌀 (Athina)					
	T197	🔪 Numerical analysis: how computers do calculus & differential equations 🌀 (Sonya)					
	T387	Impossible integration, also the vegan kind 🌀 (Glenn)					
	W218	The axiom of choice 🌀 (Laithy & Narmada)	Does the order matter? 🌀 (Laithy)				
	W402	Two topological theorems; or, How to tell if something is \mathbb{Q} in disguise 🌀🌀 (Ben)			TBA		
Lunch							
1:10–2 pm	T171	Dynamics, mostly complex 🌀 (Scott Kaschner)			noon–2:30 pm	Wheelock	Lunch (until 1:30 pm) and Advisor Meetings
	T197	🕒 Mathematical billiards 🌀 (Arya)			2:30–3 pm	Wheelock	Ask next week's teachers
	T387	How to multiply numbers reallllly fast 🌀 (Eric)			3:10–4 pm	T171	Dynamics
	W218	Measure and Martin's axiom (week 2 of 2) 🌀🌀 (Susan)				T197	Billiards
	W402	🕒 Inspecting gadgets 🌀 (Della)				T387	Reallllly fast
TAU			W218	Martin's axiom (2/2)			
2–4 pm	Thompson				W402	Gadgets	
4:10–5 pm	M103 (Colloquium)	Fractals and other lies told by mathematicians (Scott Kaschner)	Group theory: try not to laugh challenge (GONE WRONG) (Narmada)	All curves intersect nicely (Glenn)	The theorem formerly the Mordell conjecture (Ruthi Hortsch)	4:10–5:30 pm	Relays near the Obelisk!

Evening

Team Problem Solving

Meals: Breakfast 7–9 am, Lunch 11:30 am–1:30 pm, Dinner 4:30–6:30 pm (Wheelock)

Key: M = McIntyre T = Thompson, W = Weyerhaeuser, [HW] = Homework Required, = Teacher is joining the class by video
 = Class meets for 80 minutes 1:10–2:30 pm (through first 30 minutes of TAU), = Has continuation as a project = Serves as a prerequisite for several other classes