

# Mathcamp 2013 Week 2 Schedule (updated)

Time	Room	Tuesday	Wednesday	Thursday	Friday	Saturday	◇342	L400		
9:10–10:00	◇123	<b>Assembly (Keyes 105)</b>	Surfaces and Symmetries (week 1 of 2) 🍷 (Susan)						Times: Tue: 11:10–12:00, 2:10–3:00 Wed–Fri: 11:10–12:00, 1:10–3:00 Sat: 11:10–12:00, 2:40–3:30	
	◇145		Linear Algebra and Group Theory to the Hydrogen Atom 🍷 (David Jordan)							
	◇323		Extreme Probability! (week 2 of 2) 🍷→🍷 (Aaron)							
	◇341		Simple Models of Computation 🍷 (Pesto)							
	A5		Ring Theory 🍷 (Mark)							
10:10–11:00	◇123	Symmetric Polynomials and Schubert Calculus (week 1 of 2) 🍷 (Nic & Kevin)								
	◇145	Matrix Groups 🍷 (Asi)								
	◇323	Epsilon the Enemy 🍷 (Ruthi)								
	◇341	[HW] Proofs and Problem-Solving 🍷 (Mira)								
	A5	Set Theory 🍷 (Waffle)								
11:10–12:00	◇123	[HW] Not Just Scratching the Surface: Cohomology and Topology of Surfaces 🍷 (Scott Taylor)								
	◇145	Reverse Mathematics 🍷 (Matt & Steve)								
	◇341	Chip Firing, Sandpiles, and All That Jazz! 🍷 (Dave Jensen & Sam Payne)								
	A5	Using Linear Algebra 🍷 (Po-Shen Loh)	Bruhat Orders 🍷 (Ben Elias)			ML: Sorting 🍷 (The JCs)				
12:15–1:00		Lunch				12:15–2:30	Lunch and Advisor Meetings			
1:10–2:00	◇123	Hydrogen Atom	[HW] The Probabilistic Method 🍷 (Tim!)			2:40–3:30	Probabilistic Method			
	◇145	Surfaces	Cut That Out! 🍷 (Zach)				Cut That Out!			
	◇323	Extreme Probability!								
	◇341	Simple Models	Finding the Perfect Match 🍷 (Alex)				The Perfect Match			
	A5	Ring Theory	Functions of a Complex Variable (week 1 of 2) 🍷 (Mark)				Complex Variables			
2–4	◇lobby	TAU				3–4 Project Selection Fair		Relays (The Quad)		
4:10–5:10	Keyes 105	A Tale of 3 Knot Invariants (Scott Taylor)	Counting (Po-Shen Loh)	Fundamental Groups, Configuration Spaces, and Braid Groups—A Gentle Introduction (David Jordan)	Chip-firing and Riemann-Roch (Dave Jensen & Sam Payne)	3:45–5:15				
5:15–7:00		Dinner								
Evening		8pm, Games Lounge: Research in Pairs (Sam Payne & Dave Jensen)		7pm, L400: $\LaTeX$ Workshop	8pm, location TBA Stephen Wolfram		8pm, Games Lounge: Research in Pairs (Sam Payne & Dave Jensen)			

Key: ◇—Diamond, A—Arey, L—Lovejoy, ML—Main Lounge, [HW]—Homework Required