

# Mathcamp 2018 Week 3 Schedule

Time	Room	Tuesday	Wednesday	Thursday	Friday	Saturday	
7:00 – 9:00	Mines Market	Breakfast					
9:05–9:55	Alderson 162	Assembly (Berthoud 241)	Linear Programs & Convex Optimization 🍴🍴 (Linus)				
	Alderson 230		History of Math 🍴 (Sam)				
	Berthoud 206*		Systems and Signals Analysis 🍴 (Jeff)				
	Brown 206		Trees! 🍴🍴 (Shiyue)				
	Brown W375		Partially Ordered Sets 🍴 (Mike Orrison)				
10:10–11:00	Alderson 162	[HR] The Continuum Hypothesis (1/2) 🍴🍴🍴 (Susan)					
	Berthoud 206*	Low-Dimensional Zoology 🍴🍴 (Larsen)					
	Alderson 230	[IBL] Axiomatic Music Theory 🍴 (J-Lo)					
	Brown 206	Commutative Algebra and Algebraic Geometry (1/2) 🍴🍴 (Mark)					
	Brown W375	Convergence Issues; or: Monsters in Real Analysis 🍴🍴 (Ben)					
11:15–12:05	Alderson 162	Linear Programming	Axiomatic Geometry 🍴 (Misha)				
	Alderson 230	History of Math	[HR] [IBL] Representation Theory (1/2) 🍴🍴🍴 (Aaron)				
	Berthoud 206*	Signals Analysis	Riemann's Explicit Formula 🍴🍴 (Kevin)				
	Brown 206	Trees!	Oversize Airline Luggage 🍴 → 🍴🍴 (Tim!)	Shuffling and Card Tricks 🍴 (David Roe)			
	Brown W375	Partially Ordered Sets	Conflict-Free Graph Coloring 🍴 (Pesto)				
11:30–1:00	Mines Market	Lunch					
1:10–2:00	Alderson 162	Galois Theory 🍴🍴🍴 (Viv)					
	Alderson 230	Max Flow Min Cut 🍴 (Tim!)					
	Brown 206	Generating Functions, Catalan Numbers, and Partitions 🍴 → 🍴🍴 (Mark)					
	Brown W375	Spectral Graph Theory 🍴 (Laura)	An Introduction to $q$ -Analogues 🍴🍴 (Maria Gillespie)				
	Marquez 026	Divisor Theory of Graphs 🍴🍴 (David Perkinson)					
2:00–4:00	Brown Lobby	TAU				2:00-3:30	AA Meetings (bring your blurbs!)
4:00–5:00	Brown W280	The Threshold Density Theorem (David Perkinson)	Change of Perspective in Mathematics (Mike Orrison)	How to Win the Lottery (David Roe)	What is a $q$ -analog? (Maria Gillespie)	3:45–5:15	Relays in Stratton Common (Bring water!)
4:30–6:30	Mines Market	Dinner					

Key: [HR] — Homework Required [IBL] — inquiry based learning  
*Special Note:* On Thursday, Berthoud 206 becomes Alderson 140.