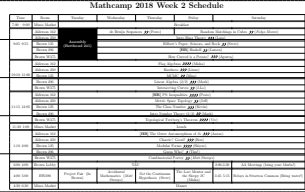


Mathcamp 2018 Week 5 Schedule

Time	Room	Tuesday	Wednesday	Thursday	Friday
7:00 – 9:00	Mines Market	Breakfast			
9:10–10:00	Alderson 162	Assembly (Berthoud 241)	Yes, you can trisect angles \mathcal{J} (Ben)	Yes, you can square the circle \mathcal{J} (Misha)	Problem Solving: Tetrahedra $\mathcal{J}\mathcal{J}\mathcal{J}$ (Misha)
	Alderson 230		[IBL] Axiomatic Music Theory part 2: Rhythm \mathcal{J} (J-Lo)	Graph Minors $\mathcal{J}\mathcal{J}$ (Pesto)	
	Brown 206		Quadratic reciprocity $\mathcal{J}\mathcal{J}$ (Mark)	Cyclotomic Polynomials and Migotti's Theorem \mathcal{J} (Mark)	Wedderburn's Theorem $\mathcal{J}\mathcal{J}$ (Mark)
	Brown W375		Higher Homotopy Groups $\mathcal{J}\mathcal{J}$ (Larsen)		
	Berthoud 206		Would I ever Lie Group to you? \mathcal{J} (Apurva) [IBL] ²	Wreath Products $\mathcal{J}\mathcal{J}$ (Viv)	
10:10–11:00	Alderson 162	Problem-Solving: The Just Do It method $\mathcal{J}\mathcal{J}$ (Linus)	Continued Fraction Expansions and e $\mathcal{J}\mathcal{J}$ (Susan)		
	Alderson 230	Information Theory and the Redundancy of English \mathcal{J} (Mira)			
	Brown W375	Latin Squares and Finite Geometries \mathcal{J} (Marisa)		Minus Choice, Still Paradoxes \mathcal{J} (J-Lo)	
	Brown 206	How to Get Away from Dead Guys \mathcal{J} (Pesto)	Nonzero-sum games \mathcal{J} (Pesto)	What is a "Sylow" anyways? $\mathcal{J}\mathcal{J}$ (Ben)	
11:10–12:00	Alderson 162	Special Relativity \mathcal{J} (<i>Nic Ford</i>)			
	Alderson 230	Combinatorial Topology \mathcal{J} (Jeff)		Uranus has at least 2 storms $\mathcal{J}\mathcal{J}\mathcal{J}$ (Jeff)	
	Brown W375	How to Juggle \mathcal{J} (Viv)		Cycles in permutations \mathcal{J} – $\mathcal{J}\mathcal{J}$ (Ania, Jessica)	
	Brown 206	Elliptic functions $\mathcal{J}\mathcal{J}$ (Mark)			
11:30–1:00	Mines Market	Lunch			
1:10–2:00	Alderson 162	Dirichlet's Theorem on Primes $a \pmod b$ $\mathcal{J}\mathcal{J}$ (Kevin)			The Art of Live-TeXing \mathcal{J} (Aaron)
	Alderson 230	Galois Theory and Number Theory $\mathcal{J}\mathcal{J}\mathcal{J}$ (Aaron, Viv) [IBL]			The Stable Marriage Problem \mathcal{J} (Marisa, Shiyue)
	Brown 206	Calculus without Calculus \mathcal{J} (Tim!)		Infinitesimal Calculus: Sequences, Integrals, and Democracy $\mathcal{J}\mathcal{J}$ (Tim!)	
	Brown W375	Tropical Plane Curves \mathcal{J} (Shiyue)			Dirichlet Series $\mathcal{J}\mathcal{J}\mathcal{J}$ (Nicholas)
2:10–3:00	Alderson 162	One-Day Complex Analysis \mathcal{J} (Larsen)	Combinatorial Game Theory \mathcal{J} (Laura)		
	Alderson 230	Axiomatic Music Theory part 2: Rhythm		The Quantum Spring \mathcal{J} – $\mathcal{J}\mathcal{J}$ (Apurva)	
	Brown 206	Quadratic reciprocity	The Maths of Peppa Pig $\mathcal{J}\mathcal{J}\mathcal{J}$ (Linus)	King Chicken Theorems \mathcal{J} (Marisa)	
	Brown W375	Irrationality Proofs \mathcal{J} (Susan)	Curse of Dimensionality \mathcal{J} (Dyusha, Michelle)	A Slice of PIE \mathcal{J} (Brian Reinhart)	
	Marquez 026	Would I ever Lie Group to you [In Brown Lobby]	Mathematica Workshop \mathcal{J} (Misha)		
3:00–4:00	Brown Lobby	PI = $\frac{1}{2}$ TAU			
4:00–5:00	Brown W280	Future of Mathcamp (<i>The Staff</i>)	Future of You (<i>The Staff</i>)	Extra PI	Project Faire
5:00–6:30	Mines Market	Dinner			

Key: [HR]—Homework Required [IBL]—Inquiry Based Learning [IBL]²— Inquiry Based Learning In Brown Lobby