

# Mathcamp 2008 -- Week 1 Academic Schedule

S = Psych

H = Physics

[HW] = Homework required

[MM] = Moore Method

		Monday		Tuesday	Wednesday	Thursday	Friday	Saturday	
9 - 9:35 am	S 103	Measure Theory and Lebesgue Integration **** (Miranda) [HW]	9 - 9:50 am	Measure Theory ****	Measure Theory ****	Measure Theory ****	Measure Theory ****	Measure Theory ****	
	S 102	Finite Automata *-** (Alice) [HW]		Finite Automata *-**	Finite Automata *-**	Finite Automata *-**	Finite Automata *-**	Finite Automata *-**	
	H 123	Intro to Group Theory ** (Mark, week 1 of 2)		Intro to Group Theory **	Intro to Group Theory **	Intro to Group Theory **	Intro to Group Theory **	Intro to Group Theory **	
	H 240A	Graphs on Surfaces**- *** (Marisa, week 1 of 2)[HW]		Graphs on Surfaces **- ***	Graphs on Surfaces **- ***	Graphs on Surfaces **-***	Graphs on Surfaces **-***	Graphs on Surfaces **-***	
	H 122	Things You Need to Know: Methods * (Nina, Dan) [HW]		TYNTK: Methods *	TYNTK: Methods *	TYNTK: Methods *	TYNTK: Methods *	TYNTK: Methods *	
9:45 - 10:20 am	S 103	Real Analysis *** (Mike, week 1 of 2) [HW]	10 - 10:50 am	Real Analysis ***	Real Analysis ***	Real Analysis ***	Real Analysis ***	Real Analysis ***	
	H 240A	Linear Algebra ** (Mira, week 1 of 2) [HW]		Linear Algebra **	Linear Algebra **	Linear Algebra **	Linear Algebra **	Linear Algebra **	
	H 123	<i>John Conway</i>		<i>John Conway</i>	<i>John Conway</i>	<i>John Conway</i>	<i>John Conway</i>	<i>John Conway</i>	
	H 122	Things You Need to Know: Complex Numbers * (Nina)[HW]		TYNTK: Infinity 1 * (Dan)	TYNTK: Infinity 2 * (Dan)	TYNTK: Modular Arithmetic * (Mark)	TYNTK: Binomial Coefficients * (Marisa)	TYNTK: Equivalence Relations * (Noah)	
	S 102	<i>Advanced Problem Solving **** (Gregory Galperin)</i>		<i>Advanced Problem Solving ****</i>	<i>Advanced Problem Solving ****</i>	<i>Advanced Problem Solving ****</i>	<i>Advanced Problem Solving ****</i>		
10:30 - 11:05 am	S 102	Visualizing 4D * (Mira)	11 - 11:50 am	<i>Mechanical Puzzles * (George Hart)</i>	Platonic Solids * (Marisa)	<i>3D Geometry with Zome * (George Hart)</i>	<i>4D Geometry with Zome * (George Hart)</i>	Archimedean Solids and Beyond *-** (Anti)	
	H 240A	SL2(Z) ** (David)		SL2(Z) **	<i>The Banach-Tarski Paradox (Emina Alibegovic)[HW]</i>	<i>The Banach-Tarski Paradox (Emina Alibegovic)</i>	<i>The Banach-Tarski Paradox (Emina Alibegovic)</i>	<i>The Banach-Tarski Paradox (Emina Alibegovic)</i>	
	H 123	<i>Combinatorial Calculus *** (Theo)</i>		<i>Combinatorial Calculus ***</i>	<i>Combinatorial Calculus ***</i>	<i>Combinatorial Calculus ***</i>	<i>Combinatorial Calculus ***</i>	<i>Combinatorial Calculus ***</i>	
	S 103	Rational Numbers...in space! ** (Noah, Mira, week 1 of 4) [MM]		Rational Numbers... in space! **	Rational Numbers... in space! **	Rational Numbers... in space! **	Rational Numbers... in space! **	Rational Numbers... in space! **	
	H 122	Point-set Topology **** (JR, week 1 of 2)		Point-set Topology ****	Point-set Topology ****	Point-set Topology ****	Point-set Topology ****	Point-set Topology ****	
11:15 - 11:50 am	H 122	<i>Intro Problem Solving ** (Gregory Galperin)[HW]</i>	12 - 1:00 pm	<b>LUNCH</b>				12 - 2pm	LUNCH & ADVISOR MEETINGS
	H 240A	Intro to Number Theory ** (Mark, week 1 of 2)	1:10 - 1:50 pm	<i>Intro Problem Solving **</i>	<i>Intro Problem Solving **</i>	<i>Intro Problem Solving **</i>	<i>Intro Problem Solving **</i>	2:40 - 3:30	<i>Intro Problem Solving **</i>
	S 103	Knots, Labelings and Algebra ** (Susan, week 1 of 3)		Intro to Number Theory **	Intro to Number Theory **	Intro to Number Theory **	Intro to Number Theory **		Intro to Number Theory **
	H 123	Computability & Complexity *** (Dan, week 1 of 3) [HW]		Knots, Labelings and Algebra **	Knots, Labelings and Algebra **	Knots, Labelings and Algebra **	Knots, Labelings and Algebra **		Knots, Labelings and Algebra **
	S 102	Reflection Groups **** (David, week 1 of 4) [MM]		Computability & Complexity ***	Computability & Complexity ***	Computability & Complexity ***	Computability & Complexity ***		Computability & Complexity ***
12 - 1 pm	LUNCH			Reflection Groups ****	Reflection Groups ****	Reflection Groups ****	Reflection Groups ****	Reflection Groups ****	
1 - 2:30 pm	S Lobby	TAU	2 - 4 pm	<b>TAU</b>				3:40 - 5:00	<b>RELAYS!</b> (Main Quad)
2:30 - 4 pm	Vollum Lecture Hall	The Reeb Foliation of the 3-Sphere (Dan)							
4 - 6 pm	Main Lounge	Academic Advisor Meetings & Zome Polytope with George Hart		4 - 5 pm Colloquium	<i>The John Conway Hour (S 105)</i>	<i>The John Conway Hour (S 105)</i>	<i>Playing Pool with Pi (Gregory Galperin) (S 105)</i>		