

Mathcamp 2008 -- Week 5 Academic Schedule *

[n] = n days long

		Tuesday		Wednesday	Thursday	Friday	
9 – 9:50 am		ASSEMBLY					
10 – 10:50 am	H240A	Two Mathematical Marriage Problems ** (Mira, Alfonso) [2]	9:30 - 10:20 am	Two Mathematical Marriage Problems ** (Mira, Alfonso) [2]	<i>Brouwer's Fixed Point Theorem and the Game of Hex</i> *** (Sam) [1]	Algebraic Graph Theory *** (Jacob Steinhardt) [1]	
	S102	Fourier Series *** (Mike) [4]		Fourier Series *** (Mike) [4]	Fourier Series *** (Mike) [4]	Fourier Series *** (Mike) [4]	
	H122	Bernoulli Numbers *** (Dave) [4]		Bernoulli Numbers *** (Dave) [4]	Bernoulli Numbers *** (Dave) [4]	Bernoulli Numbers *** (Dave) [4]	
	S103	Big numbers! * (Julian)		Chase and Escape Problems ** (Miranda) [3]	Chase and Escape Problems ** (Miranda) [3]	Chase and Escape Problems ** (Miranda) [3]	
	H123	Transfinite Induction *** (Eric Wofsey) [2]		Transfinite Induction *** (Eric Wofsey) [2]	Information Theory and the Redundancy of English ** (Mira) [2]	Information Theory and the Redundancy of English ** (Mira) [2]	
11 – 11:50 am	H240A	Sexy Cx. Analysis **** (Nina, Greg) [4]	10:30 - 11:20 am	Riemann Zeta Function **** (JR) [4]	Sexy Cx. Analysis **** (Nina, Greg) [4]	Sexy Cx. Analysis **** (Nina, Greg) [4]	
	H122	Partitions and My Erdos Number *** (Mark) [4]		The Classification of Surfaces ** (Dan) [4]	Partitions and My Erdos Number *** (Mark) [4]	Partitions and My Erdos Number *** (Mark) [4]	
	S102/E416	Fractal Dimension ** (Mike) [2] (S102)		Sets, Scales, and Serialism ** (Andre Kuney) [1] (E416)	<i>Inversive Geometry</i> ** (Brenda) [2] (S102)	<i>Inversive Geometry</i> ** (Brenda) [2] (S102)	
	H123	Keakeya Needle Problem *-** (Yvonne, Julian) [2]		<i>Bidding Hex</i> ** (Sam) [1]	Voting Theory * (Alfonso) [2]	Voting Theory * (Alfonso) [2]	
	S103	<i>The Jones Polynomial</i> ** (Ari) [1]		The Nine-Point Circle * (Mark) [1] (H121)	Unique Factorization and Ideals *** (Noah) [2]	Unique Factorization and Ideals *** (Noah) [2]	
12 – 1 pm		LUNCH	11:20 - 1 pm	LUNCH			
1 – 1:50 pm	H240A	Riemann Zeta Function **** (JR) [4]	1 - 1:50 pm	Sexy Complex Analysis **** (Nina, Greg) [4]	Riemann Zeta Function **** (JR) [4]	Riemann Zeta Function **** (JR) [4]	
	S103	The Classification of Surfaces ** (Dan) [4]		<i>Graphs and Rings and Other Such Things</i> ** (Sarah) [1]	The Classification of Surfaces ** (Dan) [4]	The Classification of Surfaces ** (Dan) [4]	
	H122	Three Theorems of Erdos ** (Marisa) [3]		Partitions and My Erdos Number *** (Mark) [4]	Three Theorems of Erdos ** (Marisa) [3]	Three Theorems of Erdos ** (Marisa) [3]	
	H121/H123	<i>Brain: Q & A (Josh Tenenbaum)</i> [1] (H121)		Keakeya Needle Problem *-** (Yvonne, Julian) [2] (H123)	Quadratic Reciprocity ** (Mark) [2] (H123)	Quadratic Reciprocity ** (Mark) [2] (H123)	
	S102	Math of Music * (Miranda) [1]		Fractal Dimension ** (Mike) [2]	Postmodern Mathematics * (Greg, Alice) [2]	Postmodern Mathematics * (Greg, Alice) [2]	
2 – 2:50 pm	H122	<i>Calculus without Calculus</i> ** (Brenda) [2]	2 - 2:50 pm	<i>Calculus without Calculus</i> ** (Brenda) [2]	PROJECT PREP (TAU area)	The Riemann Hypothesis for Polynomials *** (Noah) [1]	
	H240A	The Gamma Function *** (JR) [3]		The Gamma Function *** (JR) [3]		The Gamma Function *** (JR) [3]	
	H123	The Navier-Stokes Equations *** (Asaf) [2]		The Navier-Stokes Equations *** (Asaf) [2]		How a Mathematician Reads a Newspaper * (Julian) [1]	
	S102	Intro to Models ** (Susan) [3]		Intro to Models ** (Susan) [3]		Intro to Models ** (Susan) [3]	
	H121/S103	An example of Galois correspondence *** (Mark) [1] (H121)		Fun with Fibonacci * (Julian) [1] (S103)			
3 – 4 pm		TAU			3:30 PM	PROJECT FAIR	
4 – 5 pm Colloquium		<i>Bidding Games (Sam Payne)</i> (S105)	4 – 5 pm Colloquium	<i>Sandpile Groups (David Perkinson)</i> (E314)	<i>Future of You</i>		

* with thanks to Mira's Week 5 Project Team! (Berkeley, Brian Z, Rutger)