

Mathcamp 2007 -- Week 4 Academic Schedule

Name: _____

	Tuesday	Wednesday	Thursday	Friday	Saturday	
9 – 10 am	K102	Mandatory Assembly (Arey 5)	The probabilistic method ** (M@)	The probabilistic method ** (M@)	The probabilistic method ** (M@)	
	L213		The math of google ** (Mira)	The math of google ** (Mira)	The math of google ** (Mira)	
	L212		Measure theory *** (Nina)	Measure theory *** (Nina)	Measure theory *** (Nina)	
	D341		Computable functions **** (Anti)	Computable functions **** (Anti)	Computable functions **** (Anti)	
	K103		Problem solving with abstract algebra **** (Bogdan)	Problem solving with abstract algebra **** (Bogdan)	Problem solving with abstract algebra **** (Bogdan)	
10:10 – 11 am	K102	Constructible or not? * - ** (Dave, Nina) [By discovery]	Constructible or not? * - ** (Dave, Nina) [By discovery]	Constructible or not? * - ** (Dave, Nina) [By discovery]	Constructible or not? * - ** (Dave, Nina) [By discovery]	
	L212	Category theory ** (Noah)	Category theory ** (Noah)	Category theory ** (Noah)	Category theory ** (Noah)	
	L213	Cube-ic math *** (Leigh, M@)	Cube-ic math *** (Leigh, M@)	Cube-ic math *** (Leigh, M@)	Cube-ic math *** (Leigh, M@)	
	D341	Musical orbifolds *** (Ari, Yvonne)	Musical orbifolds *** (Ari, Yvonne)	Musical orbifolds *** (Ari, Yvonne)	Musical orbifolds *** (Ari, Yvonne)	
	K103	Elliptic functions **** (Mark)	Elliptic functions **** (Mark)	Elliptic functions **** (Mark)	Elliptic functions **** (Mark)	
11:10 – 12 am	A5	<i>Diophantine approximation</i> ** (Ed Burger)	<i>Diophantine approximation</i> ** (Ed Burger)	<i>Diophantine approximation</i> ** (Ed Burger)	<i>Diophantine approximation</i> ** (Ed Burger)	
	L212	Wallpaper patterns ** (Leigh)	Wallpaper patterns ** (Leigh)	Wallpaper patterns ** (Leigh)	Wallpaper patterns ** (Leigh)	
	L213	Cryptography *** (Marisa)	Cryptography *** (Marisa)	Cryptography *** (Marisa)	Cryptography *** (Marisa)	
	K103	Hyperbolic geometry *** (Yvonne)	Hyperbolic geometry *** (Yvonne)	Hyperbolic geometry *** (Yvonne)	Hyperbolic geometry *** (Yvonne)	
	K102	Generalized Riemann integration **** (Julian)	Generalized Riemann integration **** (Julian)	Generalized Riemann integration **** (Julian)	Generalized Riemann integration **** (Julian)	
12 – 1 pm	Dana	LUNCH			12 – 2	LUNCH & ADVISOR MEETINGS
					2:10 – 2:40	Symmetry in math and art (M@; A5)
1:10 – 2 pm	L212	Squaring the square *-** (Julian)	Probability and generating functions *-** (Julian)	The motion of planets *-** (Julian)	The motion of planets *-** (Julian)	
	A5	Perfect numbers * (Mark)	Continued fractions (Mark)	The nine-point circle (Mark)	Integration by parts and the Wallis product *** (Mark)	
	K103	Intro Problem Solving ** (Bogdan)	Intro Problem Solving ** (Bogdan)	Intro Problem Solving ** (Bogdan)	Intro Problem Solving ** (Bogdan)	
	L213	(Information and) Coding theory *** (Mira) [HW]	(Information and) Coding theory *** (Mira) [HW]	(Information and) Coding theory *** (Mira) [HW]	(Information and) Coding theory *** (Mira) [HW]	
	K102	From Greece to Galois **** (Alfonso) [Moore method]	From Greece to Galois **** (Alfonso) [Moore method]	From Greece to Galois **** (Alfonso) [Moore method]	From Greece to Galois **** (Alfonso) [Moore method]	
2 – 3:50 pm TAU	SSW	CHECK THE TAU BOARD (in Schair-Swenson-Watson)			3:40 – 5:00	RELAYS! (Flagpole quad in good weather, otherwise in Diamond)
4 – 5 pm Colloquia	A5	<i>Conjugate coupling</i> (Ed Burger)	General relativity (Anti)	Continued fractions and musical scales (Noah)	Covering spaces, monodromy, and square dancing (Alfonso)	

D = Diamond, L = Lovejoy, K = Keyes, A = Arey

[HW] = Homework required

Marathon: Algebraic Topology **** (Dan, David; D343)