

Mathcamp 2007 -- Week 2 Academic Schedule

Name: _____

		Tuesday	Wednesday	Thursday	Friday	Saturday	
9 – 10 am	D341	Mandatory Assembly (Arey 5)	Intro graph theory * (Leigh, Sarah)	Intro graph theory * (Leigh, Sarah)	Intro graph theory * (Leigh, Sarah)	Intro graph theory * (Leigh, Sarah)	
	K102		Quadratic reciprocity **/*** (Mark)	Quadratic reciprocity **/*** (Mark)	Multiplicative functions **/*** (Mark)	Multiplicative functions **/*** (Mark)	
	L213		Cryptography *** (Marisa)	Cryptography *** (Marisa)	Cryptography *** (Marisa)	Cryptography *** (Marisa)	
	K103		Olympiad problem solving **** (Bogdan)	Olympiad problem solving **** (Bogdan)	Olympiad problem solving **** (Bogdan)	Olympiad problem solving **** (Bogdan)	
	L212		<i>Quantum mechanics (Allan Adams)</i> ***	<i>Quantum mechanics (Allan Adams)</i> ***	<i>Quantum mechanics (Allan Adams)</i> ****	<i>Quantum mechanics (Allan Adams)</i> ****	
10:10 – 11 am	L212	Understanding infinity * (Dan, Ryan) [HW]	Understanding infinity * (Dan, Ryan) [HW]	Understanding infinity * (Dan, Ryan) [HW]	Understanding infinity * (Dan, Ryan) [HW]	Understanding infinity * (Dan, Ryan) [HW]	
	D341	Point-set topology ** (Nina, Yvonne)	Point-set topology ** (Nina, Yvonne)	Point-set topology ** (Nina, Yvonne)	Point-set topology ** (Nina, Yvonne)	Point-set topology ** (Nina, Yvonne)	
	A5	Groups and symmetry ** (Leigh)	Groups and symmetry ** (Leigh)	Groups and symmetry ** (Leigh)	Groups and symmetry ** (Leigh)	Groups and symmetry ** (Leigh)	
	L213	Real analysis *** (Ari) [HW]	Real analysis *** (Ari) [HW]	Real analysis *** (Ari) [HW]	Real analysis *** (Ari) [HW]	Real analysis *** (Ari) [HW]	
	K102	Algebraic geometry **** (Dave) [HW]	Algebraic geometry **** (Dave) [HW]	Algebraic geometry **** (Dave) [HW]	Algebraic geometry **** (Dave) [HW]	Algebraic geometry **** (Dave) [HW]	
11:10 – 12 am	K103	<i>Orientable and non-orientable spaces</i> * (Erica Flapan)	<i>Orientable and non-orientable spaces</i> * (Erica Flapan)	<i>Quantum mechanics in pictures</i> * (Theo)	<i>A finite toy model for quantum mechanics</i> ** (Theo)	<i>What is electric charge?</i> *** (Theo)	
	L213	Crash course in mathematical logic *** (Anti)	<i>Three statistical ideas</i> * (Rebecca Saxe)	<i>Philosophy in mathematics</i> *** (Kenny)	<i>Philosophy in mathematics</i> *** (Kenny)	<i>Philosophy in mathematics</i> *** (Kenny)	
	D341	Unique factorization ** (Noah, David) [By discovery]	Unique factorization ** (Noah, David) [By discovery]	Unique factorization ** (Noah, David) [By discovery]	Unique factorization ** (Noah, David) [By discovery]	Unique factorization ** (Noah, David) [By discovery]	
	A5	Linear algebra ** (Marisa, Mira) [HW]	Linear algebra ** (Marisa, Mira) [HW]	Linear algebra ** (Marisa, Mira) [HW]	Linear algebra ** (Marisa, Mira) [HW]	Linear algebra ** (Marisa, Mira) [HW]	
	K102	Complex analysis *** (Mark)	Complex analysis *** (Mark)	Complex analysis *** (Mark)	Complex analysis *** (Mark)	Complex analysis *** (Mark)	
	L212	Geometric graph theory **** (M@)	Geometric graph theory **** (M@)	Geometric graph theory **** (M@)	Geometric graph theory **** (M@)	Geometric graph theory **** (M@)	
12 – 1 pm	Dana	LUNCH				12 – 2	LUNCH & ADVISOR MEETINGS
						2 – 2:30	My other favorite mathematical magic trick (Mira)
1:10 – 2 pm	D341/D322	Intro number theory ** (David) [HW]	Intro number theory ** (David) [HW]	Intro number theory ** (David) [HW]	Intro number theory ** (David) [HW]	Intro number theory ** (David) [HW]	
	L213	Low-dimensional topology ** (Dan, Noah)	Low-dimensional topology ** (Dan, Noah)	Low-dimensional topology ** (Dan, Noah)	Low-dimensional topology ** (Dan, Noah)	Low-dimensional topology ** (Dan, Noah)	
	K103	Intro Problem Solving ** (Bogdan)	Intro Problem Solving ** (Bogdan)	Intro Problem Solving ** (Bogdan)	Intro Problem Solving ** (Bogdan)	Intro Problem Solving ** (Bogdan)	
	A5	Information and coding theory *** (Mira) [HW]	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]	From Greece to Galois **** (Alfonso) [Moore method]	
2 – 3:50 pm TAU	D	CHECK THE TAU BOARD (in Diamond)				3:40 – 5:00	RELAYS! (Flagpole quad in good weather, otherwise in Diamond)
4 – 5 pm Colloquium	A5	<i>Pad Thai with Electrons</i> (Allan Adams)	<i>Symmetries of Flexible Molecules</i> (Erica Flapan)	<i>The Mysterious Numbers of Professor Hensel</i> (Fernando Gouvea)	<i>How to Use Mathematical Models to Understand the Mind</i> (Rebecca Saxe)		

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

[HW] = Homework required