

MATHCAMP 2006 - Week 5 Schedule

		Tuesday 1	Wednesday 2	Thursday 3	Friday 4
9-9:50	G	Mandatory Assembly (M103)	The Redfield-Polya theorem **-*** (Alfonso)	Inversive geometry ** (Brenda)	Inversive geometry ** (Brenda)
	E		Algebraic topology **** (M@ & Sam)	Algebraic topology **** (M@ & Sam)	Algebraic topology **** (M@ & Sam)
	D		Olympiad problem solving **** (Bogdan)	Olympiad problem solving **** (Bogdan)	Olympiad problem solving **** (Bogdan)
	F		A topological smorgasbord ** (Dan)	A topological smorgasbord ** (Dan)	A topological smorgasbord ** (Dan)
	J213		Quadratic reciprocity *** (Mark)	Multiplicative functions *** (Mark)	Multiplicative functions *** (Mark)
10-10:50	G	The Redfield-Polya theorem **-*** (Alfonso)	Knot complements ** (Noah)	Buffon's needle problem * (Ellen)	The book stacking problem * (Ari)
	E	Algebraic topology **** (M@ & Sam)	Generalized Riemann integration **** (Julian)	7MP : The Hodge conjecture ***** (Sam)	Generalized Riemann integration **** (Julian)
	D	Olympiad problem solving **** (Bogdan)	Bayesian statistics ** (Mira)	Bayesian statistics ** (Mira)	Bayesian statistics ** (Mira)
	F	A topological smorgasbord ** (Dan)	How much infinity is out there? *** (Anti & Kenny)	The Anti-Class *** (Anti)	The Anti-Class *** (Anti)
	J213	Quadratic reciprocity *** (Mark)	Commutative algebra & algebraic geometry ***-**** (Mark)	Commutative algebra & algebraic geometry ***-**** (Mark)	Commutative algebra & algebraic geometry ***-**** (Mark)
11-11:50	J213	The Yoneda lemma **** (Anti)	The Yoneda lemma **** (Anti)	The Yoneda lemma **** (Anti)	The Yoneda lemma **** (Anti)
	E	Topological graph theory *** (Marisa)	Topological graph theory *** (Marisa)	Topological graph theory *** (Marisa)	Topological graph theory *** (Marisa)
	D	Calculus without calculus ** (Brenda)	Calculus without calculus ** (Brenda)	Probabilistic proofs *** (Kenny)	Big numbers! * (Julian)
	F	Information theory *** (Mira)	Information theory *** (Mira)	Arts & crafts in geometry * (Yvonne)	The Kakeya needle problem * (Yvonne)
	G	Real analysis *** (Ari)	Real analysis *** (Ari)	Real analysis *** (Ari)	Real analysis *** (Ari)
LUNCH					
1:10-2	E	Algebraic topology **** (M@ & Sam)	Algebraic topology **** (M@ & Sam)	Algebraic topology **** (M@ & Sam)	(M103; 1:10 – 2:30) What is <i>your</i> Axiom of Choice? (Alfonso, Anti, Ari, Dan, David, Ellen, Julian, Kenny, Marisa, Mira & Noah)
	F	Quantum computing *** (Dan & Noah)	Quantum computing *** (Dan & Noah)	Quantum computing *** (Dan & Noah)	
	G	Intro problem solving ** (Bogdan)	Intro problem solving ** (Bogdan)	Intro problem solving ** (Bogdan)	
	J213	VMTS: Grand finale *** (Anti & Alfonso)	(1:10-2:30) Scissors congruence * (Ellen)	The feeling of power * (Alfonso)	
	D	Proofs & purity * (Kenny & Moon)	(1:10-2:30) Set! * (Yvonne)	The keg index ** (Chris Tuffley)	
2:10-3:30	D	A mathematician reads the news * (Julian)	(M103; 2:40 – 4) The future of You	(M103; 2:10 – 3:10) Math and genetics (Mira)	(G; 3 – 4:30) Project Fair!
	G	The Minkowski theorem *-** (Miljan)			
	E	Grassmannians and combinatorics *** (D.A.)			
	J213	Integration by parts ** (Mark)			
	F	Xtreme division by 0 (in probability) **** (Kenny)			
		(M103; 3:40-4:40) N-categories (Anti)			Come see what your fellow Mathcampers have been working on!

Evening:

Team Problem Solving

The Future of Mathcamp

Talent Show!