

# Mathcamp 2008 -- Week 3 Academic Schedule

[HW] = Homework required

Name: \_\_\_\_\_

		Tuesday	Wednesday	Thursday	Friday	Saturday	
9 – 9:50 am	H123	<b>MANDATORY ASSEMBLY (Vollum Lecture Hall)</b>	Quantum Computation *** (Alice, 1/2)	Quantum Computation *** (Alice, 1/2)	Quantum Computation *** (Alice, 1/2)	Quantum Computation *** (Alice, 1/2)	
	H122		Fermi Problems * (Miranda)	Fermi Problems * (Miranda)	Hilbert's Third Problem ** (Yvonne)	Hilbert's Third Problem ** (Yvonne)	
	S102		Linear Programming *** (Marisa)	Linear Programming *** (Marisa)	Linear Programming *** (Marisa)	Linear Programming *** (Marisa)	
	S103		A Random Walk in Combinatorics *** (Julian Gilbey)	A Random Walk in Combinatorics *** (Julian Gilbey)	Elliptic Trigonometry *** (Dave)	Elliptic Trigonometry *** (Dave)	
	H240A		<i>The four pillars of geometry</i> *-*** (Moon Duchin)	<i>The four pillars of geometry</i> *-*** (Moon Duchin)	<i>The four pillars of geometry</i> *-*** (Moon Duchin)	<i>Image Manipulation with Math and Matlab</i> * (Rebecca Saxe)	
10 – 11 am	H123	Quantum Computation *** (Alice, 1/2)	Computability and Complexity *** (Dan, 3/3) [HW]	Computability and Complexity *** (Dan, 3/3) [HW]	Computability and Complexity *** (Dan, 3/3) [HW]	Computability and Complexity *** (Dan, 3/3) [HW]	
	H122	Fermi Problems * (Miranda)	Problem Solving Without Calculus (Mark)	Problem Solving Without Calculus (Mark)	Problem Solving Without Calculus (Mark)	Problem Solving Without Calculus (Mark)	
	S102/H121	Linear Programming *** (Marisa) (S102)	Reflection Groups **** (David, 3/4) [MM] (H121)	Reflection Groups **** (David, 3/4) [MM] (H121)	Reflection Groups **** (David, 3/4) [MM] (H121)	Reflection Groups **** (David, 3/4) [MM] (H121)	
	S103	A Random Walk in Combinatorics *** (Julian Gilbey)	Knots, Labelings and Algebra ** (Susan, 3/3)	Knots, Labelings and Algebra ** (Susan, 3/3)	Knots, Labelings and Algebra ** (Susan, 3/3)	Knots, Labelings and Algebra ** (Susan, 3/3)	
	H240A	<i>The four pillars of geometry</i> *-*** (Moon Duchin)	Combinatorial Game Theory ** (Alfonso)	Combinatorial Game Theory ** (Alfonso)	Combinatorial Game Theory ** (Alfonso)	Combinatorial Game Theory ** (Alfonso)	
11:10 am – 12 pm	H122	Diff. Eq. and Math. Modeling *** (Miranda, 2/2)	Diff. Eq. and Math. Modeling *** (Miranda, 2/2)	Diff. Eq. and Math. Modeling *** (Miranda, 2/2)	Diff. Eq. and Math. Modeling *** (Miranda, 2/2)	Diff. Eq. and Math. Modeling *** (Miranda, 2/2)	
	H240A	<i>Quantum Mechanics</i> ***_**** (Allan Adams)	<i>Quantum Mechanics</i> ***_**** (Allan Adams)	<i>Quantum Mechanics</i> ***_**** (Allan Adams)	<i>Quantum Mechanics</i> ***_**** (Allan Adams)	<i>Quantum Mechanics</i> ***_**** (Allan Adams)	
	S102	What is Geometry? ** (Nina)	What is Geometry? ** (Nina)	What is Geometry? ** (Nina)	What is Geometry? ** (Nina)	What is Geometry? ** (Nina)	
	H121	Q( $\sqrt{d}$ ) in space ** (Noah, Dave, 3/4) [MM]	Q( $\sqrt{d}$ ) in space ** (Noah, Dave, 3/4) [MM]	Q( $\sqrt{d}$ ) in space ** (Noah, Dave, 3/4) [MM]	Q( $\sqrt{d}$ ) in space ** (Noah, Dave, 3/4) [MM]	Q( $\sqrt{d}$ ) in space ** (Noah, Dave, 3/4) [MM]	
	H123	The Shape of Infinity *** (Anti) [HW]	The Shape of Infinity *** (Anti) [HW]	The Shape of Infinity *** (Anti) [HW]	The Shape of Infinity *** (Anti) [HW]	The Shape of Infinity *** (Anti) [HW]	
12 – 1 pm	<b>LUNCH</b>					12 – 2	<b>LUNCH &amp; ADVISOR MEETINGS</b>
						2:10 – 2:40 pm	Qualifying Quiz Presentations (cont'd) (S105)
1:10 – 2 pm	H123	Analytic Number Theory *** (JR)	Analytic Number Theory *** (JR)	Analytic Number Theory *** (JR)	Analytic Number Theory *** (JR)	2:50 – 3:40 pm	Analytic Number Theory *** (JR)
	H122	p-Adics **** (David, 2/2) [HW]	p-Adics **** (David, 2/2) [HW]	p-Adics **** (David, 2/2) [HW]	p-Adics **** (David, 2/2) [HW]		p-Adics **** (David, 2/2) [HW]
	S102	Dynamical Systems *** (Mike, 1/2)	Dynamical Systems *** (Mike, 1/2)	Dynamical Systems *** (Mike, 1/2)	Dynamical Systems *** (Mike, 1/2)		Dynamical Systems *** (Mike, 1/2)
	H240A	Problem Solving With Calculus (Mark)	Problem Solving With Calculus (Mark)	Problem Solving With Calculus (Mark)	Problem Solving With Calculus (Mark)		Problem Solving With Calculus (Mark)
	S103	<i>How to Count Mathematical Structures</i> *-*** (Mathieu, Julian Gilbey)	<i>How to Count Mathematical Structures</i> *-*** (Mathieu, Julian Gilbey)	<i>How to Count Mathematical Structures</i> *-*** (Mathieu, Julian Gilbey)	<i>How to Count Mathematical Structures</i> *-*** (Mathieu, Julian Gilbey)		<i>How to Count Mathematical Structures</i> *-*** (Mathieu, Julian Gilbey)
2 – 4 pm	Library Foyer	<b>TAU</b>				3:50 – 5:30	<b>RELAYS!</b> (Location TBA)
4 – 5 pm Colloquium	S105	<i>Origins of the Universe</i> (Allan Adams)	<i>Projective Geometry</i> (Moon Duchin)	<i>Words for Numbers</i> (Rebecca Saxe)	Qualifying Quiz Presentations (Students!)		