Mathcamp 2015 Tentative Four-Week Schedule

| Time | Week 1 | | Week 2 | | Week 3 | | Week 4 | |
|-------|---|---|--|---------------------------------------|---|----------------------------|---|--------------------------------------|
| 9:10 | [HR] Mathcamp Crash Course ⊉ (Alfonso) | | Markov Chains)) Aperiodic Tiling)) (Nina White)(Steve) | | [HR] Mathematical Magic <i>(Don)</i> | | Shortest Distance | |
| | Linear Algebra 🌶 | | [HR] Abel's Theorem (2/5) DD (Asilata + Julian + Mira) | | [HR] Network and Combinatorial Optimization (Sam) | | Many Facets of Optimization | |
| | [HR] Problem Solving: Inequalities かか (Pesto) | | Functions of a Complex Variable (1/2) | | Functions of a Complex Variable (2/2) | | Homotopy Theory DDD (Chris) | |
| | Metric Spaces))) (Steve) | | Continued Fractions (1/2) | | Absolute Values 🌶 (J-Lo) | | Tiling Problems | |
| | Geometric Optics グク (Allan Adams) | Differentiation under the Integral Sign \hat{D} (Kevin) | Problem Combinatoric | Solving: s 🌶 | [HR] Lebesgue Measure うううう (Alfonso + Steve) | | Laurent Phenomenon クウウ (Kevin) | |
| 10:10 | [HR] Statistical Modelling グク (Sam) | | Tower of Hanoi 🌶 (Julian) | Chromatic Numbers グク (Moon Duchin) | Graphs on Surfaces D (Marisa) | | Unlikely Maths 🌶 (Misha) | |
| | Measure and Martin's Axiom グククク (Susan) | | Generating Functions ククク (Mark) | | [HR] Lie Algebras グウウ (Asilata + Kevin) | | Trail Mix $\dot{\boldsymbol{\mathcal{D}}} \rightarrow \dot{\boldsymbol{\mathcal{D}}} \dot{\boldsymbol{\mathcal{D}}}$ (Mark) | |
| | Multivariable Calculus ググク (Mark) | | Counting the Faces of Cut-Up Spaces DD (Matt Stamps) | | [HR] Abel's Theorem (3/5) ううう (Mira + Ruthi) | | [HR] Ultrafilters クククク (Steve) | |
| | (re)Intro to Polynomials グク (Adam Marcus) | | Intro Complexity ググ (Pesto) | | Continued Fractions (2/2) | | Number Theory Polynomials グウク (Noah Snyder) | |
| | [HR] Intro Groups | | Fundamental Group)))) (Sachi) | | Szemeredi's Ordinal Arithmetic Pop (Po-Shen Loh) Ordinal Arithmetic Pop (Jalex) | | P vs NP))) (Pesto + Jalex) | |
| 11:10 | Algorithms 🌶 (Michelle Bodnar) | | Galois Cohomology 🌶 🌶 | | Classifying Spaces | | Hyperbolic Geometry))) (Katie Mann) | |
| | [HR] Abel's Theorem (1/5) (Alfonso + Mira + Julian) | | Unsolved Problems in Astronomy $\hat{D}\hat{D} \rightarrow \hat{D}\hat{D}\hat{D}$ (Charles Steinhardt) | | Representation Theory (1/2) クククク (Mark) | | [HR] Category Theory in Sets かか (Don) | |
| | Classifying Symmetry D (Frank Farris) | Compactness in Logic 🌶 (Matt Wright) | Intro Knot (Na | Theory)) ncy) | The Factorial (Sa | Function)) chi) | Apollonian C DDD (Su | Sircle Packings nny Xiao) |
| | [HR] Point-set Topology ううう (Nancy) | | [HR] Reflection Groups グウク (Don) | | Braid Group ガ (Nancy) | | [HR] Galois Theory クククク (Nancy) | |
| | Special Relativity)) (Nic Ford) | | [HR] Banach–Tarski Paradox (Alfonso + Chris) | | Error-Correcting Codes | | Voting Theory $\hat{\mathcal{I}}$ (Alfonso) | |
| 1:10 | [HR] Non-classical Constructions | | [HR] Turing and his Work グク (Sam) | | Cryptography | | [HR] Abel's Theorem (4/5) ググ (Alfonso + Mira) | |
| | Infinitesimals | | Coloring Maps 🌶 (Jeff + Marisa) | | [HR] Fundamental Theorem of Calculus in Dimension n $\hat{j}\hat{j}\hat{j}\hat{j}\hat{j}$ (Jeff) | | Development of Probability $\hat{\boldsymbol{j}}$ (Sam) | |
| | Time-Frequency Analysis クククク (Jeff) | | Summing Series))) (Kevin) | | Exploring Equality))) (Jason Gross) | | The Hidden Dance of PDEs (Adam Larios + Jared Whitehead) | |
| | [HR] Ring Theory) (Sachi) | | Ham Sandwich Theorems D (Yuval) | | History of Math) Tropical Curves) | | Representation Theory (2/2) クカウク (Mark) | |
| | Algorithms in Number Theory D (Misha) | | [HR] Banach–Tarski Paradox グガ (Alfonso + Chris) | | [HR] Automated Proofs in Geometry グカ (Misha) | | Advanced Linear Algebra 🌶 | Normal Numbers グク (Steve + Susan) |