

Welcome to the Mathematics Department

A Guide for the Perplexed

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Syracuse University

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Department History



Graduate Student Organization

Graduate Student Organization (GSO)

- Office located in Lyman Hall.
- <http://gradorg.syr.edu/>
- GSO represents the graduate students at SU.
- Offers travel grants to students.
- Help to fund the MGO conference.
- Hold events, typically at the [Inn Complete](#).

PAY YOUR GSO FEE!



Mathematics Graduate Organization

Mathematics Graduate Organization (MGO)

Title	Name	Email
President	Erin Griffin	egriff02@syr.edu
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Treasurer	Marguerite Davis	mdavis29@syr.edu
Secretary	Miriam Kabagoroby	mkabagor@syr.edu
Colloquium Organizer	Elahe Samani	ekhalili@syr.edu
GSO Senator	Caleb McWhorter	cgmwhor@syr.edu
GSO Senator	Jacob Migdail-Smith	jamigdai@syr.edu
WebMaster	Caleb McWhorter	cgmwhor@syr.edu



Erin



Josh



Marguerite



Miriam



Elahe



Caleb



Jacob

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Mathematics C

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MGO Website

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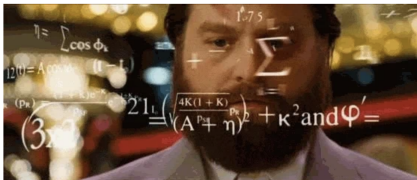
Coffee Into Theorems

Coffee into Theorems

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Homepage

Welcome to **Coffee Into Theorems!** This is the homepage for Caleb McWhorter, a PhD student at Syracuse University. The site contains a number of my courses along with their materials, my research interests, a collection of my talks and notes, and useful resources/fun links for undergraduates and graduates alike. Should you have questions, comments, or concerns, feel free to send me an email!



via GIPHY

Resource Links

Resources found [at this link](#).

- Departmental Resources
- University Resources
- Software Links
- Comic links
- Teaching resources

Resources found [at this link](#).

- Homework, Quiz, Exam Templates
- Syllabus & Expectations Templates
- Comment Card Templates
- Resources on 'How To.'

Resources found [at this link](#).

- Prelim Solutions
- Qual Exam Materials
- Course Notes
- Outside University Resources

Resources found [at this link](#).

- Departmental Seminars: Algebra, Analysis, Topology, Applied Math, Statistics
- MGO Colloquium
- Graduate Student Seminar
- Directed Reading Program

Technology & Resources

Technology & Resources

- Classroom Resource Guides
- Blackboard
- Personal Websites
- Mathematica
- Geogebra
- Sage & MAGMA
- Cables available from Sandy.
- Any and all app resources.

Student Tutoring Resources

- Math Help Room
- Calculus Clinic
- [CLASS](#)
- Private Tutoring

Tutoring

- Send course list to the department.
- [Tutoring List](#)
- You may **not** tutor a course which you are teaching. For example, if you teach MAT 295 or are a MAT 295 recitation instructor, you may not tutor for **any** MAT 295 section.
- The tutoring rate is \$40/hr.
- Many students will want to use ApplePay or Venmo.

Odds 'n Ends

- AMS Membership
- Travel Funds
- Counseling Services
- Recitation Expectation Sheet
- Abide by FERPA
- [Filming Resources Available](#)
- [Future Professoriate Program](#)

Syracuse

Things to Do

- Hiking, Walking, etc.
 - Green Lakes
 - Onondaga Lake Park
 - Clark Reservation
- Rock Gym
- Destiny USA
- Apple Picking at Beak and Skiff
- Niagara Falls
- Westcott Cultural Fair
- Skeneateles Day Trip
- Ithaca: AppleFest, Harry Potter Fest, Chili Fest, etc.
- Intramural Sports
- Local Ice Skating

Places to Eat

- Appiza
- Dinosaur BBQ
- Stoop Kitchen
- Kitty Hoynes
- Pastabilities
- Blarney Stone
- Inn Complete
- Alto Cino
- Beer Belly
- Texas de Brazil
- Brooklyn Pickle

- Starbucks
- Recess
- Kubal
- Freedom of Espresso
- Tim Hortons
- Rise and Grind Cafe

Places to Drink

- Now and Later
- Blarney Stone
- Inn Complete
- Als
- Benjamin's
- Empire Brewing Company
- Downtown Pubs
- Medieval Brewery
- 1911 Tasting Room
- World of Beer

General Advice

Advice

- If you're an extrovert, find places to make friends outside of the department as well as making friends inside the department (personal experience lol)
- Find people you can actually study with
- Try to learn things well the first time through (and make materials you can use for studying later)
- Ask older students for help *after* consulting with your peers
- Try to keep yourself healthy and your life balanced-ish. [Work really hard, but remember that you want to do this for the rest of your life. Sprint when you need to but remember that you're in a marathon.]
- *Read* the texts. [Especially Rudin. Learn how to read Rudin.]
- Do practice problems on your own if you're struggling with something even if they aren't assigned
- Grad school is a lot of self motivated study, don't expect the homework to cover everything you need to be doing to prepare. [Especially in 601/602.]

Quotes of Paul Halmos

- “The only way to learn mathematics is to do mathematics.”
- “A good stock of examples, as large as possible, is indispensable for a thorough understanding of any concept, and when I want to learn something new, I make it my first job to build one.”
- “Don’t just read it! Ask your own questions, look for your own examples, discover your own proofs. Is the hypothesis necessary? Is the converse true? What happens in the classical special case? Where does the proof use the hypothesis?”

Questions?