Welcome to the Mathematics Department

A Guide for the Perplexed

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Department History



Graduate Student Organization

- 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	Caleb McWhorter	cgmcwhor@syr.edu
Vice President	Casey Necheles	clnechel@syr.edu
Treasurer	Erin Griffin	egriff02@syr.edu
Secretary	Rachel Gettinger	rngettin@syr.edu
Colloquium Organizer	Sara Beberman	sebeberm@syr.edu
GSO Senator	Erin Tripp	eetripp@syr.edu
GSO Senator	Joash Geteregechi	jmgetere@syr.edu
WebMaster	Caleb McWhorter	cgmcwhor@syr.edu



MGO Facebook



Methematics Graduate Organization	Home Conference Events People Colloguium
	Friday Febuary 20 , 1:00 pm, Carnegie 300
	The sum of $\frac{1}{n^4}=\frac{\pi^4}{6}$: an easier proof Claudio DiMarco, Syracuse University
classical and important result that the s	that series $\sum_{n=1}^{\infty} \frac{1}{n}$ converges if and only if p>1. "Euler's series" is the above sum with p=2. It is a sum of this series is $\frac{\pi}{2}$. We will present a simple "proof from the book" of this fact that requires only arture from the trappings the proof found in (blue) Rudin which relies on Parseval's theorem.
	Last Updated Feb 19, 2015

MATHEMATICS GRADUATE ORGANIZATION: SYRACUSE UNIVERSITY 🖬 🜌

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RESOURCES - GRADUATE STUDENTS

SYRACUSE UNIVERSITY MATHEMATICS GRADUATE ORGANIZATION

This is the homepage of the Syracuse University Mathematics Department Mathematics Graduate Student Organization. On this site you can find a variety of Information regarding the Mathematics Graduate Program at Syracuse University. Iocate resources for graduate students, find Information regarding the Annual New York State Regional Graduate Mathematics Conference, and much morel Be sure to check out our Facebook page as well as the Mathematics Deartment website!





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

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

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

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

Technology & Resources

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

A Note on Library Resources

- Math Help Room
- Calculus Clinic
- CLASS
- Private 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.

- AMS Membership
- Travel Funds
- Counseling Services
- Recitation Expectation Sheet
- Abide by FERPA
- Filming Resources Available

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

- 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.]

- "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?