

UNDERGRADUATE MATH SEMINAR

This week's math seminar will be across campus, in the Becker Career Center. It will be a **recruiting/info session** described below.

DATE: **THURSDAY, September 26**



Time & Pizza before the seminar, which will be

Location: **12:50 – 1:45 Seminar in Career Center Room 201**



This session, coordinated by senior math major **Olivia Riley '25**, will be presented by representatives from aetna/ CVS Health.

The math department is providing pizza in support of this event

Title: Underwriting and Actuary Recruiting Info Session

Abstract: Come to the Career Center on September 26th during Common Hour for an insightful information session hosted by CVS Health and Aetna. This event will feature engaging presentations from experts in both actuarial science and underwriting, offering you a valuable glimpse into these dynamic fields. Learn about the latest industry trends, career opportunities, and how your studies can align with real-world applications. Additionally, discover how Union's class offerings can help you build the skills needed for a successful career in these areas. The session will conclude with a Q&A segment, giving you the chance to ask your burning questions and gain personalized advice.

Some Math Faculty Summer Highlights

Have you ever wondered what your professors do during the summer? For the most part, summertime = research time. And then some more research time. In addition, faculty are designing/preparing/revising teaching materials for courses as well as studying pedagogical methods. Mixed in, of course, is time for travels and fun. Below are a few bullet points and pictures of some activities from some of the math professors.

- **Professors Rylan Gajek-Leonard** and **Jeff Hatley**, both number theorists, traveled to Paris, France this summer for a conference, *Modular Forms, L-functions and Eigenvarieties*, in memoriam of Joël Bellaïche.
- **Professor Ellen Gasparovic** spent a week in Providence, RI at the Institute for Computational and Experimental Research in Mathematics at Brown University. She and four colleagues met there to finish up a longstanding research project and kick off some new ideas through the Collaborate@ICERM focused working group program. This group of mathematicians (all women!) has been working together as an amazing team since 2016, and they plan to continue this fruitful collaboration for many years to come!



Professors Gajek-Leonard and Hatley in Paris, with a tribute to Évariste Galois.

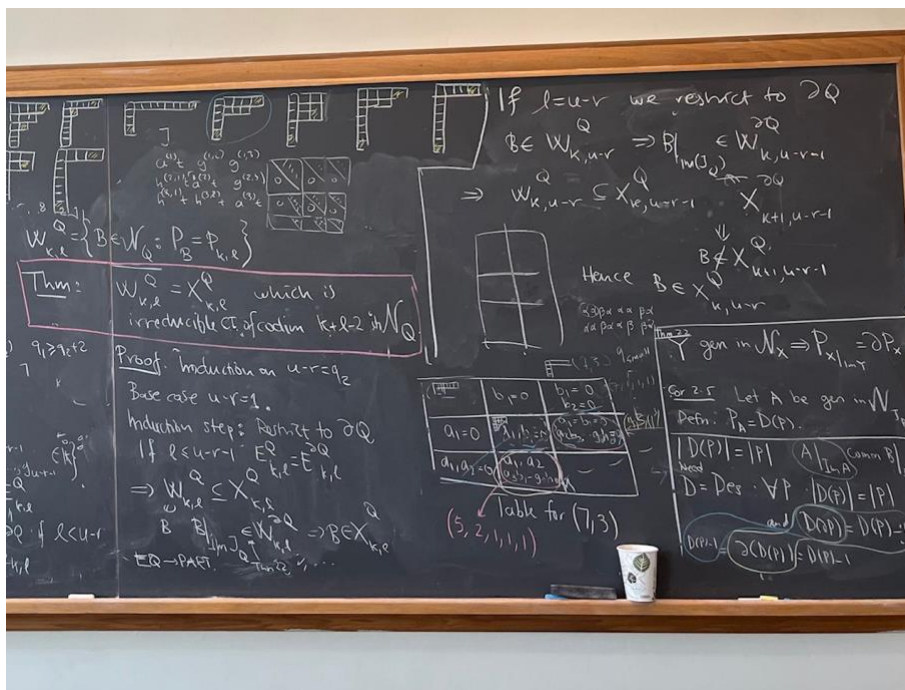


Professor Gasparovic (second from left) with some research collaborators.

Turn to page to read of more summer highlights and upcoming math activities!

- **Professor Leila Khatami:**

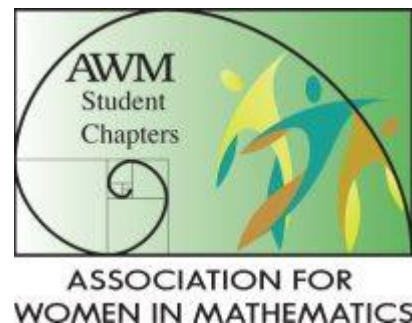
Early in the summer, I attended a conference in Krakow, Poland, where I gave a talk and also started working on a new project with a few colleagues. Later in the summer, I got to work in-person with two collaborators, Mats Boij of KTH Royal Institute of Technology (Stockholm, Sweden) and Tony Iarrobino of Northeastern University (Boston, MA). We worked together for ten days, five days in Schenectady and five days in Boston. We finished a paper that we started a few years ago at another math conference.



Some beautiful math produced by Professor Khatami and her collaborators. Bonus points for interpreting its content!

Join the Club(s)!

- **Association for Women in Mathematics (AWM).** Union has a chapter of the AWM on campus that is gearing up for the year. Anyone interested in planning and/or participating in activities should reach out to either **Professor Ellen Gasparovic** (gasparoe@union.edu) or **Professor Fanhui Xu** (xuf2@union.edu). Leadership opportunities are available!
- **Math Club.** The math club held its first meeting of the term this past Friday. **Professor Rylan Gajek-Leonard**, the club's faculty advisor, gave an overview of the club and encouraged new student participation. This is a student-led club that is soliciting nominations for leadership roles. If you are interested in becoming a club officer, send an email to Professor Gajek-Leonard (gajeklr@union.edu) expressing this interest and providing a blurb about why you might be good in a leadership role. The club is planning on holding its elections at its next meeting, **Friday, September 27, at 1:00 in the Math Common Room, Bailey 204.**
- **Putnam Exam Preparation.** The Union "PEP" squad will continue to meet to work on fun and challenging math problems on **Thursdays at 4pm in Bailey 102** under the guidance of **Professor Grant Moles** (molesg@union.edu) in preparation for the national Putnam Exam held in December. Even if you are not interested or able to participate in the Putnam Competition, but you simply enjoy playing with math, go to the meetings! No one is obligated to take the Putnam. The goal is fun!



Calculus Help Center

Sunday through Thursday nights, 7:30-10:00pm, Sorum House Seminar Room