GVSU Math Major Newsletter

There will be no newsletter next week due to Thanksgiving Recess. We hope you have a relaxing and fulfilling break!

This newsletter comes to your inbox each week from the [GVSU math department](). You can find past newsletters and information about previously announced events and opportunities at the [newsletter webpage]().

Upcoming events

Check out the [calendar of math major events]() (add it to your calendar at [http://gvsu.edu/s/25s]()).

Featured events:

- <mark>Tonight!</mark> **Jeopardy night.** Come join the Math and Stats Club for a Jeopardy night! We'll have fun and snacks on Wednesday, November 15 from 7pm-8pm in the PCS (MAK A-2-610). Test out your trivia knowledge!

- <mark>Friday!</mark> **[Alumni Panel]().** *Friday November 17, 1:00-1:50 pm via Zoom.* The Applied Math Seminar this week will feature 4 recent math graduates who went on to industry and graduate school. All four are at different stages of their careers and will provide valuable perspective to both current students and faculty. They will be joining us from Kentucky, California, Michigan, and Ohio! As usual, you can [RSVP for pizza]() on the applied math seminar [website](). See this [flyer]() for more details and to request the password for the Zoom meeting.

Opportunities
(extracurricular activities, internships, jobs, scholarships, conferences, etc.)

Featured opportunities:

- <mark>This weekend!</mark> **[OURFA^{2}M^2 2023]().** The 4th OURFA^{2}M^2 Conference will be held on November 18-19, 2023. The conference aims to help students to start or develop a math career (in research, teaching, or industry). Anyone is welcome to attend, and we

> are especially aimed at students from underrepresented and marginalized groups in mathematics. For more information about the conference see this [flyer](#), the [website](#), and [register here](#)!

Internship and Career Opportunities:

- **Advanced Technology Research Center Summer Program**. The ATRC Summer Program is a research internship bringing together experts from the U. S. Air Force, universities, and industries to address sensing, machine learning, autonomy technologies, sensor signal exploitation, object detection, tracking and recognition, navigation, geolocation, computational innovations and security, to enhance Air Force capabilities. The program typically employs more than 60 interns from the top U.S. research universities to work with accomplished mentors and researchers. Applications are now open for Summer 2024. Applications and more information can be found via: https://udayton.edu/engineering/atrc/index.php.
- **Mathematics Summer Internships at the National Security Agency - Summer 2024**. Applications for summer 2024 will open on September 1, 2023 for the Director's Summer Program, Cryptanalysis and Signals Analysis Summer Program, and Graduate Mathematics Program. These 12 week paid internships provide students with the opportunity to work directly with NSA Mathematicians on mission-critical problems and experience the excitement of the NSA mathematics community. Applications can be found via www.intelligencecareers.gov/nsa starting on September 1, 2023.
- **The GVSU Career Center** has a number of events and resources to help while pursuing internship and career opportunities:
    - **Employer Showcase:** For 11 weeks this fall, employers will host informational tables on campus. This is a low-risk way to begin networking. Look for a different set of career communities to be featured in the winter semester.
    - **Career Communities:** Students are encouraged to join a career community to receive direct communication regarding job & internship postings, events, and resources related to the industry area they are interested in.
    - **Resume AI**: In addition to offering drop-in hours virtually and in-person via our CareerLab, we also have a new tool called Resume AI to offer resume support. Students can scan their resume and get immediate feedback.

Extracurricular Programs and Opportunities:

- **Budapest Semesters in Mathematics Education (BSME).** Summer@BSME is a 6-week summer program, designed for those interested in the learning and teaching of secondary mathematics. Participants explore the Hungarian pedagogy, in which a strong and explicit emphasis is placed on problem solving, mathematical creativity, and communication. Admission is rolling, with applications due April 1.

Scholarships and Fellowships:

- **MI Future Educator Fellowship**. The MI Future Educator Fellowship offers a $10,000 scholarship to up to 2,500 future educators every year. This fellowship is renewable for up to three years. Visit the website to check your eligibility and to apply now!
- **Barry Goldwater Scholarship**. Deadline: November 24
  The Goldwater Scholarship Program, one of the oldest and most prestigious national scholarships in the natural sciences, engineering, and mathematics in the United States, seeks to identify, encourage, and financially support college sophomores and juniors who show exceptional promise of becoming this Nation's next generation of research leaders in these fields. Scholarships help cover costs associated with tuition, fees, books, room and board. For more information visit: https://goldwaterscholarship.gov/. You'll find information about past GVSU Goldwater recipients in these news stories:

  - Chemistry student named recipient of Goldwater Scholarship - GVNext (gvsu.edu)
  - Biochemistry major earns competitive Goldwater Scholarship - GVNext (gvsu.edu)
  - Two students selected as Goldwater Scholars - GVNext (gvsu.edu)
  - Grand Valley student awarded prestigious Goldwater scholarship - GVNext (gvsu.edu)
- **Science, Mathematics and Research for Transformation (SMART) Scholarship for Service Program,** Deadline: December 1.
  SMART Scholarship Program is an opportunity for students pursuing an undergraduate, graduate or doctoral degree in Science, Technology, Engineering, and Mathematics (STEM) disciplines to receive a full scholarship and be gainfully employed upon degree completion at the U.S. Department of Defense. Includes full tuition and a generous annual stipend and other benefits. Undergraduate applicants must be currently enrolled in a U.S. college or university. Graduate applicants can be either currently enrolled in a U.S. university or awaiting notification of admission. For more information visit: http://www.smartscholarship.org/smart.

Graduate School:

- **UC Davis Graduate Math Info Sessions.** UC Davis will be hosting two virtual information sessions on November 30 and December 1 for any prospective math or applied math graduate students. Please see this flyer for more details and to register.

Conferences:

- **Nebraska Conference for Undergraduate Women**. January 26th - 28th, 2024 in Lincoln Nebraska
  "Women, and particularly women of color, are underrepresented in the mathematical sciences, especially among jobs that require graduate education. We at the University of Nebraska-Lincoln (UNL) recognize the need to encourage and mentor undergraduate women in mathematics to pursue graduate study in mathematics and to seek mathematical careers. We do this by annually hosting the NCUWM." Students interested in presenting at the 2024 conference must complete an application before Oct. 31, 2023.

Talks and posters will be accepted as long as spots remain (priority deadline was Oct. 9). Non-presenter registrations will be accepted for as long as we have space through Nov. 17, 2023. Travel funding is available. **Please contact Dr. Keough at keoulaur@gvsu.edu if you are interested in attending.**

- **The 2024 Joint Mathematics Meeting.** January 3rd - January 6th, 2024 in San Francisco, CA at the Moscone Center.
  Considered the largest mathematics gathering in the world, the JMM partners with several math organizations, including the American Mathematical Society (AMS) and the American Institute of Mathematics (AIM), to give mathematicians opportunities to promote their research. Registration will be open by August 28th, 2023; registration fees info can be found here. Deadline for Abstract Submission: September 12, 2023. How to Submit an Abstract. How to Present a Paper. There are travel scholarships available, with applications opening September 1, 2023. Find out more about travel scholarships here

---

Save the date

Put these dates on your calendar!

- Thanksgiving Day Recess: November 22 - November 26 (no classes!)
- Classes end: December 9
- Final Examinations: December 9-16

One important thing to know

The upcoming **Thanksgiving Recess** lasts from Wednesday, November 22 - Sunday, November 26. There will be no classes during that time, but there *are* classes on Monday and Tuesday (November 20 and 21) as usual. Watch out for due dates that come right after the break (such as November 27 or 28) and plan ahead!

Due to the break, there won't be a newsletter next week. See you after the break!

If you have any questions about the newsletter, suggestions for things to add, or general advising questions, please email me!

Taylor Short
shorttay@gvsu.edu

Associate Professor, Mathematics
Mathematics Advising and Engagement Coordinator