Math Club Meeting on Thursday

Do you enjoy doing math, talking math, thinking math, watching math movies, helping others with math, spreading the good math word, playing games that involve math or math-like thinking, hanging out with other like-minded folks, or hanging out with other non-like-minded folks! Then come join the Math Club. There will be an inaugural winter term meeting on **Thursday January 20** at **3:30pm** in **Bailey 204**, the **Math Common Room**. If you are interested but cannot attend, please email Professor Paul Friedman (friedmap@union.edu).

Summer Research Experiences for Undergraduates (REUs) in Math

Are you interested in learning new mathematics and trying your hand at mathematical research, and getting paid for it? Then consider applying for one of the many National Science Foundation sponsored Research Experiences for Undergraduates (REUs). These are small summer programs that last 6-8 weeks, hosted by several universities and colleges around the United States. This summer, some will be held remotely, and others might be held at the host university. The range of research fields covered by different REUs is wide, including algebra, computational mathematics, differential geometry, data science, discrete math, knot theory, mathematical biology, and many more. There is definitely something for everyone!

Who should apply? Math majors, typically in their junior or sophomore year, though some programs accept applications from current seniors. Most applicants to REUs are considering going to graduate school in math and would like to see what math research is about. Most REUs require participants to be US citizens or permanent residents. In terms of coursework, most programs require participants to have at least had multivariable calculus through Math 117, a course similar to Math 199, and/or a course beyond Math 199 that requires proof-writing.

What are the options and how does one apply? The primary site listing REUs, their descriptions, the application requirements, etc., is hosted by the American Mathematical Society (AMS):

http://www.ams.org/programs/students/emp-reu

Act soon! Most of the application deadlines to REUs are in February or early March.

What now? Go to the AMS website, filter for REUs, browse through the different programs, and get excited by the opportunities. Also, feel free to contact **Professor Jeff Hatley** (hatleyj@union.edu)**,** the math department's REU contact to discuss the different programs and your options.

Undergraduate Math Seminar – Talks Coming Soon!

While there are no talks scheduled for this week, several will be forthcoming. Stay tuned!

Mathematical Contest in Modeling (MCM)
Interdisciplinary Contest in Modeling (ICM)
February 17-21 – 100 hours of *intense* fun!
Contact Professor Jue Wang (wangj@union.edu) for information and training

CALCULUS HELP CENTER!
Sunday - Thursday: 7:30 – 10:00pm in the Sorum House Seminar Room