UNDERGRADUATE MATH SEMINAR

The next math seminar of the term will be

DATE: <mark>**THURSDAY, November 3**</mark>

Time & **12:30 –** Pizza in **Bailey 204**

Location: **12:50 – 1:45** Seminar in **Bailey 207**

In this seminar, the Union College Math Department's **Professor Kim Plofker** will be speaking.   For more information, see the posters in Bailey Hall.

Professor Kim Plofker

The Association of Women in Mathematics Presents Friendsgiving!

On **Wednesday, November 2** from **5:00-6:30pm** in the lounge at **Green House**, come get dinner and meet other students and professors in the Math Department at an informal "Friendsgiving", hosted by the Union College chapter of the Association of Women in Mathematics (AWM).

Mark your Calendar: HRUMC April 1, 2023 – no foolin!

This academic year's annual Hudson River Undergraduate Mathematics Conference (HRUMC) will be held **Saturday, April 1** at Mount Holyoke College in South Hadley, Massachusetts. One of the first ever, and still one of the largest, undergraduate math conferences, co-founded by Union College, is a fantastic conference to share the exciting mathematical work you have done as summer research or in your math thesis, or any other mathematical idea that is interesting to you. Or, you can simply attend to hear about the work done by math students and faculty from colleges and universities throughout the northeast. In addition, there will be a keynote address by **Professor Rosa Orellana** of Dartmouth College.

The HRUMC is a **free** day-long conference – ALL ARE WELCOME! The Union Math Department will coordinate transportation to and from the conference. Look for announcements with more information about the HRUMC as the time nears.

Thesis students: if you have not already done so, talk with your advisor about preparing a talk for the HRUMC. This is a really valuable experience!

The Math Department Is Hiring: Work-Study Course Assistant

If you are eligible for work-study and are looking for a job opportunity in the math department, consider applying to become a course assistant. Duties of the position include working directly with the course instructor, grading homework, and possibly holding extra office hours for students. Qualifications for the position include a strong record in calculus courses (grade in the A-range) and possibly MTH 130; successful completion of at least one upper level math course; Math major/minor, though engineering majors are also welcome.

To apply and to see more details, visit HANDSHAKE, looking for Mathematics Course Assistant.

Problem of the Newsletter

Last week's math [newsletter](#) had a fun math problem that was correctly solved by **Marc Munro,** brother of a current first-year Union student. Below is another problem. Solutions will be accepted by **Professor Paul Friedman** (friedmap@union.edu) by **noon on Friday, November 4.**

Find all integers a, $b \geq 0$ such that

$$\sqrt{a} + \sqrt{b} = \sqrt{2023}$$

Happy Halloween! Spooky math?