

UNDERGRADUATE MATH SEMINAR – Movie Time!

This week's seminar is a wonderful movie. Since its running time is 57 minutes, the seminar will start a few minutes earlier than usual, that is, at 12:45. Attendees are welcome to take their pizza with them from Bailey 204 into the seminar room.

DATE: **THURSDAY, June 2**

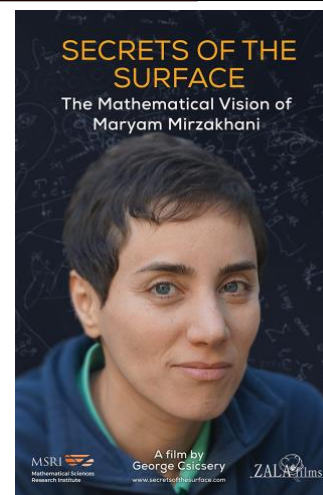
Time & **12:30** – Pizza lunch in **Bailey 204**

Location: **12:45 – 1:45** Movie in **Bailey 207**



Secrets of the Surface examines the life and mathematical work of Maryam Mirzakhani, an Iranian immigrant to the United States who became a superstar in her field. In 2014, she was both the first woman and the first Iranian to be honored by mathematics' highest prize, the Fields Medal.

Mirzakhani's contributions are explained in the film by leading mathematicians and illustrated by animated sequences. Her mathematical colleagues from around the world, as well as former teachers, classmates, and students in Iran today, convey the deep impact of her achievements. The path of her education, success on Iran's Math Olympiad team, and her brilliant work, make Mirzakhani an ideal role model for girls looking toward careers in science and mathematics.



Math Department Prizes Announced

Please join the Math department in congratulating this year's recipients of its prizes.

The Martin Terry Resch Prize

The **Martin Terry Resch Prize** is awarded to "the senior who shows the greatest promise for advanced study in pure or applied mathematics." This year, the math department gave this award to **Mayah Teplitskiy**.

The Eugene W. Hellmich Memorial Prize

The **Eugene W. Hellmich Memorial Prize** is awarded to "the senior who demonstrates excellence in mathematics and is planning to teach math." This year, the math department gave this award to **Sarah Dames**.

Math Alum Peter Cholak '84 Gives a Research Seminar

To help kick-off ReUnion weekend, **Professor Peter Cholak '84**, a math professor and the Associate Chair of the Department of Mathematics at Notre Dame, presented a research seminar on Thursday, May 16. Professor Cholak, recipient of the Resch Prize while at Union, is a logician whose works in computability theory, focusing on the relationship between computability and definability. His talk, "The Universal Triangle Free Graph, Ramsey's Theorem, and Logic" introduced the homogeneous countable triangle free graph and then discusses some Ramsey-like theorems for this graph. In all, it was a treat for the attendees.



Professor Peter Cholak '84 at the front of the classroom at Union.

Turn the page, there is more!

Fall Term Job Opportunities: Calculus Help Center Tutor; Math Coach for MTH 105

The Math Department, as well as The Office for Student Success, will be hiring students to help their peers learn and succeed in studying calculus. There are open tutoring positions for the upcoming fall term to work in the Calculus Help Center, and also to become a Math Coach for Math 105.

CALCULUS HELP CENTER TUTOR. The Math Department is now accepting applications for vacant **Calculus Help Center (CHC) tutoring positions**. Tutors in the fall work in the CHC one fixed night per week, Sunday through Thursday, from 7:30-10:00pm.

Qualifications: Calculus through Math 115 with grades of no less than A-. Preference will be given to students who

- have also completed Math 117 (with a grade \geq A-),
- are declared math majors,
- are considering becoming a math teacher or pursuing graduate work in mathematics, and
- have other tutoring experience (not necessary, though).

To apply for a position, send an email to Professor Paul Friedman (friedmap@union.edu) expressing your interest, listing your mathematical background, including coursework (term, professor, and grade) and tutoring experience (if any), and discussing why you think you would be a good tutor.

Application deadline: Friday, May 31 at NOON

MATH COACH for MATH 105. Math Coaches will attend and work with a section of MTH 105 in the fall to assist students with their understanding of course content. They assist the professor during class, circulating and working with students when the students are working on problems and worksheets. In addition, the group of Math Coaches provide specialized math help sessions for the Math 105 students. Lesly Clay (clayl@union.edu), the Director of the Office of Student Success, will be soliciting applications for Math Coach positions soon! Please be on the lookout for such notices.

Scenes from ReUnion 2024

This past Friday, May 17, the Math Department hosted a reception for math alumni who were returning to Union for ReUnion weekend. Members from the classes of 1974 to the present mingled with current and emeriti professors in the department sharing stories from then and now. Good food, good conversation, math and memories. It was a fantastic event!

