

UNDERGRADUATE MATH SEMINAR

The next math seminar will be back at its usual time and location

DATE: **THURSDAY, October 9**

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

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



Professor Lisa Naples

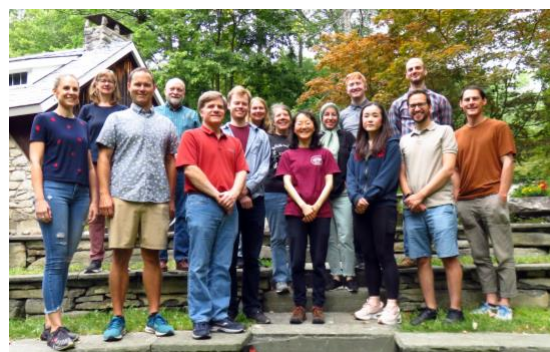
In this seminar, **Professor Lisa Naples**, a mathematician at Fairfield University whose research lies in the field of Geometric Measure Theory will present the following talk.

Title: Size and Structure

Abstract: Given a set, a basic question that one may ask is: “What is the size of the set?” The way that we answer this question may be dependent on the structure of the set. For example, if the set is a line or curve segment, we will likely calculate the length. On the other hand, if the set is a polygonal region, we will calculate the area. Of course, the structure of sets that we encounter in Euclidean space may be much more diverse than curves or polygons. In this talk we will follow a line of questioning to build up relationships between size and structure that persist even when the sets are of less familiar shape. Along the way, we will highlight some important concepts from calculus and real analysis that help us to answer our existing questions as well as develop new ones.

Math Department Held Retreat

What should the math major look like? How does/should AI impact math course instruction at Union? How can the math department continue, and expand on, being a welcoming environment? Should we eat chocolate cake or fruit at breakfast? In addition to teaching and researching, the math faculty regularly spends time considering these and other important matters. To do so in a focused manner, the entire math department gathered and spent Saturday, September 13, at Union’s Kelly Adirondack Center engaging in productive conversations to chart its path forward.



The math faculty at a Departmental Retreat

Join the Clubs!

Share your mathematical interests with others who share such passions by getting involved in the club-scene! There is the Actuarial Science Club, the



A meeting of the Math Club



The Putnam Problem Solving Group in action: meetings are 4:00-5:30 Thursdays, Bailey 100

Association for Women in Mathematics, the Math Club, and the Putnam Problem Solving group. Look for posters, emails, or ask your professors about the meeting times and locations!

Calculus Help Center: free peer tutoring in calculus
Sunday through Thursday nights, 7:30-10:00pm, Sorum House Seminar Room