Department of Mathematics

October 26, 2026

UNDERGRADUATE MATH SEMINAR

The next, and last, math seminar of the winter term will be

DATE: **THURSDAY, October 29, 2026**

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

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





Nicholas Kender '19

In this seminar, **Union College alumnus, Nicholas Kender '19,** an ASA working at MVP Healthcare, will present the following talk.

Title: Beyond the Numbers: My Experience as an Actuary

Abstract: What does an Actuary actually do? How did studying mathematics at Union prepare me for the role? In this talk, I will be sharing my experiences in the actuarial field including the actuarial exam process and how studying math at Union has helped me thus far. Whether you are considering a career as an Actuary or simply curious about where mathematics can take you after graduation, this talk will offer a firsthand perspective on working as an Actuary.

Winter Term Planning and Registration

Registration for the winter term is next week, Monday November 9 through Thursday, November 12.

Some Math and Statistics Courses: This winter, the math department will be offering several interesting courses beyond the calculus sequence that are suitable for math majors and minors.

- **Math 199** (Introduction to Logic and Set Theory) is the department's "bridge course," intended to help students make the transition from computationally oriented courses to more theoretical, proof-writing courses. It is **required** for all math majors and minors and is *usually* taken *after* a student has taken Math 115. This is a WAC-R course.
  This was a pre-approval course, but there is still room! Email mathchair@union.edu MWF 10:30-11:35.

Beyond Math 199: There are several courses being offered that have a Math 199 prerequisite:

- **Math 219** (Topics in Discrete Mathematics) In this course, topics studied may include graph theory, partially ordered sets, the Four-Color Theorem, and more. As a 200-level course, Math 219 is appropriate for students coming from Math 199, as well as more advanced students. *MWF 1:50-2:55.*
- **Math 228** (Probability Theory) As an introduction to probability, topics in this course may include: discrete and continuous random variables; jointly distributed random variables; sums of random variables; expectation; moment generating functions; inequalities; and limit theorems. Focus will be on both the theoretical aspects of probability and problem solving. Some probability problems arising from actuarial, financial, and scientific fields. This course takes a somewhat more theoretical approach than its 100-level counterpart, Math 128. Students may only take one of Math 128 and 228. *MWF 1:50-2:55.*
- **Math 340** (Linear Algebra). This is a foundational course in math that is **required** for math majors. The primary objects of study in this course are vector spaces, the linear maps between them, and the corresponding matrix theory. *MWF 9:15-10:20.*

There are also a couple of statistics courses being offered!

- **Statistics 104** (Introduction to Statistics) This course provides the conceptual foundations and analytical skills for students to be able to quantify uncertainty and to make rational decisions in the face of uncertainty. It addresses the collection of high-quality data the basic statistical analysis of such data. *MWF 9:15-10:20.*
- **Statistics 264** (Regression Analysis). In this course, both the theory and application of regression analysis to develop regression models to fit real-world data sets are studied. *MWF 11:45-12:50.*

Check the online course descriptions to see course prerequisites before registering!