

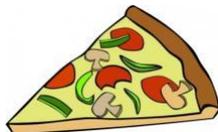
UNDERGRADUATE MATH SEMINAR

The next seminar of the winter term will be

DATE: THURSDAY, February 26

Time & 12:30 – Refreshments in Bailey 204

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



Professor Joselyne Aniceto

In this seminar, **Professor Joselyne Aniceto**, a mathematician at the **College of the Holy Cross** whose areas of expertise include integer partitions and combinatorics, will present the following talk.

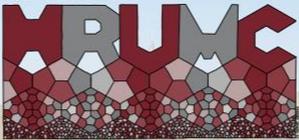
Title: An Invitation to Partitions

Abstract: What does it mean to break a number into pieces? In this talk, we'll explore the idea of partitions, different ways of writing a whole number as a sum of positive integers. Although the definition is simple, partitions lead to beautiful patterns, surprising identities, and deep mathematical questions. Along the way, we'll see examples, discover visual interpretations, and glimpse connections to combinatorics and number theory.

Hudson River Undergraduate Mathematics Conference

Saturday, April 25

Vassar College



VASSAR COLLEGE 2026

The 32nd Annual Hudson River Undergraduate Mathematics Conference
Saturday, April 25, 2026

KEYNOTE SPEAKER
Jose Perea, Northeastern University
"Topological Time Series Analysis"

IMPORTANT DATES & DETAILS
Website: <https://sites.google.com/view/hrumc/home>
Registration: Register for free at the website.
Abstract submission deadline: April 7, 2026

CONTACT INFORMATION
Kariane Calta: kacalta@vassar.edu
Ben Lotto: lotto@vassar.edu



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Topology and the Culinary Arts: A New Interdisciplinary Course?



For the real description of
Math 436, turn the page!

Free Peer Tutoring in Calculus Courses

CALCULUS HELP CENTER!

Sunday - Thursday: 7:30 – 10:00pm

Sorum House Seminar Room

Spring Term Registration Approaching: Plan your Courses

The math department is offering many wonderful 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 a **required** course for all math majors and minors that is *usually taken after* a student has taken Math 115. This is a WAC-R course, too! *199-01 MWF 8:00-9:05, and 199-02 MWF 9:15-10:20.*
- **Math 227 – Introduction to Financial Mathematics.** In this course, you will apply mathematical concepts to calculate present and accumulated values for various streams of cash flows and learn the terminology associated with these calculations, including simple and compound interest, discount, and force of interest. You will learn about annuities, loans, bonds, stocks and interest rate swaps, and how these instruments can be used to solve various needs. The focus of the class is on being able to solve problems and perform relevant calculations. Prerequisites: ECO 101 and (MTH 112 or MTH 113). *MW: 3:05-4:45.*
- **Math 235 – Number Theory.** This course studies properties of the integers, including divisibility, prime numbers, congruences, special number theoretic functions, and quadratic reciprocity. Note that students generally may not take both Math 221 and Math 235 (Number Theory) – choose wisely! *MWF 1:50-2:55.*
- **Math 237 – Numerical Analysis.** **NEW COURSE!** This is an introductory course in numerical analysis that focuses on root-finding, approximation theory, finite precision arithmetic, numerical differentiation, numerical quadrature, and numerical methods for solving ordinary differential equations. Prerequisites: (Math 197 or 199) and (Math 130 or 234). *MWF 9:15-10:20.*
- **Math 329 – Mathematical Statistics.** **NEW COURSE!** An exploration of the mathematics underlying commonly applied statistical methods, such as hypothesis testing, confidence intervals, experimental design, and regression. Covers the key concepts of the theories of point estimation, maximum likelihood estimates, sampling, hypothesis testing, power of a test, confidence intervals, linear regression, experimental design and analysis of variance, goodness of fit, and nonparametric tests. Prerequisite: Math 228. *MWF 11:45 – 12:50.*
- **Math 332 – Abstract Algebra 1** is a beautiful course that generalizes what you know about algebra in the integers and real numbers to a more abstract setting. The main objects of study in this course are groups, rings, and fields. This course is **required** for the major. Prerequisites: one of Math 219, 221, 224, 228, 235, or 248 or permission from the chair. *MWF 10:30-11:35.*
- **Math 336 – Real Analysis.** A limited offering of this fall-term course is being taught this spring. In this course, you will learn some of the theoretical underpinnings of the calculus of functions whose domain lies within the set of *real* numbers. Prerequisite: Math 332 or 340. **Time TBD.**
- **Math 436 – Topology** is the study of the properties of objects in space that are unchanged by continuous deformation and is considered fundamental in the study of higher mathematics. Prerequisites: a 300-level MTH course or permission from the chair. **Time TBD.**
- **Statistics 164 – Strategies of Experimentation.** Students will learn different experimental design options when experimenting with multiple variables as well as analytic methods. Prerequisites: one of STA 104, STA/MTH 128, MTH 228, STA 264, MER 301, ECO 243, PSY 200 or permission from the chair. *MWF 11:45-12:50.*
- **Statistics 364 – Big Data Analytics.** Learn techniques to analyze large data sets using statistical programming languages. This is a great course for those considering further study or careers in statistics, data science, machine learning, computer science, econometrics, or related disciplines. Prerequisites: STA 264 or ECO 243 or permission from the chair. *MWF 9:15-10:20.*