

# Mark Radosevich

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## Education

- 2010            Ph.D. in Mathematics  
                  Brandeis University
- 2003            B.A. in Mathematics (with honors) and Government  
                  Wesleyan University

## Dissertation

*Concave symplectic fillings of spin contact 3-manifolds.* Advised by Daniel Ruberman.

## Honors and Awards

- 2005            Graduate Student Teaching Prize
- 2002            Rae Shortt Prize, Honorable Mention
- 2001            Robertson Prize, Honorable Mention

## Teaching Experience

### Wellesley College, 2008

Visiting Instructor, Calculus I  
Math Department, Fall 2008

Taught two sections of calculus, from a review of precalculus through limits, differentiation, and integration using Stewart's *Calculus: Concepts & Contexts*.

### Brandeis University, 2003—2009

Instructor, Mathematics

Transitional Year Program, Fall 2007—Spring 2008

Designed and taught a course of instruction for two sections of foundational mathematics to high school graduates underprepared for college. Topics included arithmetic with fractions and decimals and solutions of linear and polynomial equations in the fall semester, and scientific notation and units, elementary statistics, exponential and logarithmic functions, sequences, and modeling with functions in the spring. The courses used Falstein's *Basic Mathematics* and *Quantitative Reasoning & the Environment* by Langkamp and Hull.

Instructor, Techniques of Calculus (a)

Mathematics Department, Fall 2006 and Spring 2005

Taught one section of differential calculus with Smith and Minton's *Single Variable Calculus*.

Instructor, Precalculus

Mathematics Department, Fall 2005 and Fall 2004

Taught one section of precalculus using *Precalculus: Mathematics for Calculus* by Stewart, Redlin and Watson.

Instructor, Applied Linear Algebra

Summer School, Summer 2007

Designed and taught a course in linear algebra based on Bretscher's *Linear Algebra with Applications*.

Instructor, Introduction to Probability and Statistics

Summer School, Summer 2006

Designed and taught a course in probability and statistics using Mendenhall, Beaver and Beaver's *Introduction to Probability and Statistics*.

Teaching Assistant, Mathematics for Elementary and Middle School Teachers

Mathematics Department, Spring 2006 and Spring 2007

Aided the instruction and grading for one section of a cooperative learning course in elementary mathematics designed to build mathematical curiosity and understanding through group work and written reports. Based on notes by Robin Pemantle.

Tutor

Education Department, Fall 2009

Developed review questions and study strategies and held weekly sessions for masters students preparing for the Massachusetts Tests for Educator Licensure.

Tutor

Student Support Services, Fall 2005—Spring 2007

Held open tutoring hours and individual sessions for math students as part of a program open to financially disadvantaged first-generation college students.

Tutor, Evening Tutoring

Mathematics Department, Fall 2003—Spring 2004 and Fall 2009

Held weekly evening tutoring hours for students in precalculus and calculus classes.

## **Selected Talks and Seminars**

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| Oct. 2009  | Topology Seminar — Brandeis University<br><i>A brief introduction to Khovanov homology</i>   |
| Feb. 2009  | Topology Seminar — Brandeis University<br><i>Sutured Manifolds</i>                           |
| Oct. 2008  | ANOMALY Seminar — Wellesley College<br><i>Open books and contact structures</i>              |
| Nov. 2007  | Graduate Student Seminar — Brandeis University<br><i>Constructing 3-manifolds</i>            |
| Apr. 2007  | Topology Seminar — Brandeis University<br><i>Adding handles to symplectic manifolds</i>      |
| Sept. 2006 | Graduate Student Seminar — Brandeis University<br><i>A brief introduction to knot theory</i> |