

**Lindsay Dever**  
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## Education

**Bryn Mawr College** Bryn Mawr, PA  
*Ph.D. in Mathematics* May 2022  
Thesis title: Distribution of Holonomy about Closed Geodesics on Compact Hyperbolic 3-manifolds  
Advisor: Djordje Milićević

*M. A. in Mathematics* May 2019  
Thesis title: Non-Spherical Maass Forms in Hyperbolic 3-Manifolds  
Advisor: Djordje Milićević

**Smith College** Northampton, MA  
*Post-Baccalaureate Program in Math* May 2016

**The College of New Jersey** Ewing, NJ  
*B.S Special Education/Mathematics* May 2015

## Academic Employment

**Assistant Professor (tenure-track)** August 2022 - present  
Department of Mathematics, Millersville University

## Papers

Lindsay Dever, *Bias in the distribution of holonomy on compact hyperbolic 3-manifolds*, arXiv e-prints (2022), arXiv:2206.14671. Submitted for publication.

Lindsay Dever and Djordje Milićević, *Ambient prime geodesic theorems on hyperbolic 3-manifolds*, International Mathematics Research Notices (2021), advance online publication.

John Ruscio, Lauren Carney, Lindsay Dever, Melissa Pliskin, and Shirley B. Wang, *Using the Comparison Curve Fit Index (CCFI) in Taxometric Analyses: Averaging Curves, Standard Errors, and CCFI Profiles*, Psychological Assessment **30** (2018), no. 6, 744-754.

## Awards

- Doris Sill Carland Excellence in Teaching Award, Bryn Mawr College, 2022
- Community Building Honor Roll, Bryn Mawr College, 2022

## Teaching Experience

**Assistant Professor**  
*Millersville University*

August 2022-present

- Linear Algebra
  - Created new materials, including lectures, written homework assignments, quizzes, and exams to pair with an open-source textbook (Nicholson).
  - Developed active-learning activities including guided proof-writing, paired boardwork, an inquiry-based activity, and various practice worksheets.
  - Implemented a final project on a topic of the students' choosing which connected the course content to an application of interest.
- Precalculus
  - Created various small-group activities, including worksheets on applications in biology, finance, and optimization.
  - Used various active-learning strategies including exit tickets, warm-up activities, and think-pair-share.

## Funded Workshops and Conferences

**Millersville Faculty Travel Grant (Joint Mathematics Meetings) - \$500**  
*Boston, MA*

January 2023

**AMS Graduate Student Travel Grant (Joint Mathematics Meetings) - \$1300**  
*Seattle, WA*

January 2022, Cancelled

**Summer School on  $L^2$ -Torsion and Symmetric Spaces**  
*University of Göttingen*

October 2019

**Automorphic Forms Workshop**  
*Tufts University, University of Pittsburgh*

March 2018, 2019

**Mathematics of Modern Cryptography**  
*Women and Mathematics Program at IAS*

May 2018

## Research Presentations

### Invited Conference Talks

- Joint Mathematics Meetings, Boston, MA January 2023  
*Special Session on Automorphic Forms and Representation Theory*
- Nearly Carbon Neutral Geometric Topology Conference September 2022  
*Topic Group: Number Theory in Low-Dimensional Topology*
- Joint Mathematics Meetings April 2022  
*Special Session on Quadratic Forms, Theta Functions, and Modularity*
- Canadian Mathematical Society Winter Meeting (virtual) December 2020  
*Special Session on Equidistribution on Arithmetic Manifolds*
- American Mathematical Society Fall Eastern Sectional Meeting (virtual) October 2020  
*Special Session on Automorphic Forms and Galois Representations*

### Invited Seminar Talks

- Joint Math Colloquium - Millersville University and Franklin & Marshall College (virtual) April 2022
- The College of New Jersey Mathematics Colloquium March 2022
- Rutgers Number Theory Seminar (virtual) February 2022
- Philadelphia Area Number Theory Seminar, Swarthmore College December 2021
- International Seminar on Automorphic Forms (virtual) November 2021
- Dynamics and Group Geometry Early Researchers Seminar (DAGGER) at Warwick (virtual) June 2021
- Temple University Graduate Seminar October 2019
- Study Group in Number Theory, City University of New York November 2016

### Contributed Talks

- EPaDel Virtual Section Meeting November 2021
- MAA-NJ Online Section Meeting October 2021
- Women in Math in New England, Smith College (virtual) October 2021
- EPaDel Virtual Section Meeting November 2020
- Mid-Atlantic Seminar on Numbers (MASON) IV, Gettysburg College May 2020
- Series on Exploring Combinatorics And Number Theory (SECANT), Cedar Crest College November 2018
- Hudson Valley Undergraduate Conference April 2016
- Joint Mathematics Meetings January 2016
- Celebration of Student Achievement, The College of New Jersey May 2015

## Pedagogy Training

### Project NExT

*MAA MathFest, Philadelphia*

*August 2022*

*Joint Mathematics Meetings, Boston*

*January 2023*

Attended a three-day teaching development workshop and participated in Project NExT sections throughout the MAA MathFest and the Joint Mathematics Meetings. Topics included inclusive teaching, active learning, student research, and time management.

### Pedagogy+

January 2022

*Millersville University*

Participated in a half-day workshop centered around inclusive teaching.

### Online Teaching Institute

July 2020

*Bryn Mawr College*

Participated in a weeklong institute including workshops on building community online, trauma-informed teaching, and classroom technologies including Moodle, Zoom, and Panopto.

### Pedagogy Workshops

Fall 2020

*Bryn Mawr College*

Participated in various pedagogy workshops on topics including course design, lesson-planning, developing a teaching style, and inclusive teaching.

### Educational and Scholarly Technology Workshops

January 2021

*Bryn Mawr College*

Participated in workshops on topics including online class management, Zoom accessibility, and communicating with students in hybrid/online courses.

## Service

### Millersville Math Department Committees

- Student Opportunities Committee Fall 2022-present
- Curriculum Committee Fall 2022-present
- Social Committee Fall 2022-present
- Exploring Course Formats Committee Fall 2022-present

### Special Session Organizer

April 2022

Co-organizer for a special session called “A Showcase of Number Theory at Undergraduate Institutions” for the virtual Joint Mathematics Meetings.

## Professional Memberships

- Association for Women in Mathematics Fall 2016-present
- Mathematical Association of America Fall 2022-present

## Prior Teaching

### Instructor

Spring 2021

*Bryn Mawr College*

- Calculus I - Created online lectures, designed course content, and taught interactive hybrid classes as the instructor of record.

### Teaching Assistant

September 2016-May 2022

*Bryn Mawr College*

- Differential Equations - Designed computer labs to teach coding in R and assisted students during weekly problem sessions.
- Applied Mathematics - Taught weekly computer labs to develop mathematical modeling skills in MatLab. Created, supervised, and graded labs on topics including competition models, disease models with quarantine, and pharmacokinetic dosing.
- Real Analysis I and II - Graded proof-based homework and led problem sessions twice weekly.
- Graded weekly homework assignments for Actuarial Mathematics and Graduate Real Analysis.

## Prior Service

### Graduate Research Seminar Organizer

September 2019 - May 2022

Organized research seminars for graduate students in mathematics at Bryn Mawr College.

### Professional Development Seminar Organizer

September 2019 - February 2020

Organized professional development seminars for the Graduate Group in Science and Math at Bryn Mawr College.

## Professional Experience

**Data Science Intern**, QuantaVerse

June - August 2021

## Skills

- Proficient in Python, MatLab, and R
- Basic knowledge of Sage, Mathematica, and Java