

6/1/2024

**AMY N. MYERS**

Department of Mathematics  
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**EDUCATION**

- 1994 - 1999 **Dartmouth College** Hanover, NH  
Ph.D. in Mathematics, June 1999  
Major Area: Combinatorics  
Thesis Advisor: Kenneth P. Bogart  
M.A. in Mathematics, June 1996
- 1990 - 1994 **St. Olaf College** North eld, MN  
B.A. in Mathematics, June 1994  
Awarded Phi Beta Kappa, Magna Cum Laude, and  
Department of Mathematics Honors

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**TEACHING EXPERIENCE**

- 2015 - 2024 **Senior Lecturer in Mathematics** Bryn Mawr College
- 2007 - 2015 **Lecturer in Mathematics**  
Taught single-variable calculus, multivariable calculus,  
linear algebra, stati-334(stati[(linear)-333(a85/F0 9.d[(SnAMC14@b)1(rle-/F0 9.dcTEMC/P <</MCID/F0 9.dgraph

1999 - 2002	<b>Lecturer in Mathematics</b> Taught contemporary mathematics, linear algebra, graph theory, abstract algebra, differential equations, and vector calculus to undergraduate students. Taught combinatorics to graduate students.	University of Pennsylvania
1997 - 1999	<b>Lecturer in Mathematics</b> Taught one finite mathematics and two statistics courses.	Dartmouth College
1996	<b>Teaching Seminar</b> Explored the various ways students learn mathematics, and experimented with teaching techniques designed to address different learning styles. Guest taught Dartmouth undergraduate classes, ran a course in complex analysis for graduate students, and led a week-long program in mathematics for high school women.	Dartmouth College
1994 - 1996	<b>Teaching Assistant</b> Facilitated tutorial sessions and graded exams for two first-semester calculus courses, one multivariable calculus course, and one statistics course. Met with first-semester calculus students to monitor progress on group projects exploring the applications of calculus.	Dartmouth College
1994	<b>Computer Lab Monitor</b> Assisted junior-high and high-school students with computer programming projects as part of the Pre-Freshmen Engineering Program.	University of Texas
1993 - 1994	<b>Computer Lab Monitor</b> Assisted college students with Scheme and C++ programming assignments.	St. Olaf College

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## PROFESSIONAL DEVELOPMENT

2024	<b>Tech for Good</b> Participated in a workshop about using generative AI as a thought partner in getting work done.	Virtual
2024	<b>MAA Multivariable Calculus with CalcPlot3D</b> Learned about developing learning activities using CalcPlot3D and 3D-printed models.	San Francisco, CA
2023	<b>The Grading Conference</b> Learned about alternatives to traditional grading, exchanged ideas with others, and began planning	



2020 **MAA Statistics for Data Science Workshop** Denver, CO  
Attended a four-hour workshop on teaching introductory statistics for data science.

2018 - 2020 **DEI Conversations**





- 2018 - 2024 **CARLA Member** Bryn Mawr College  
Helped develop an anti-racism framework, co-created a website, and contributed other service to the community as part of the Coalition for Anti-Racist Literacy at Bryn Mawr.
- 2019 - 2024 **Data Science Steering Committee** Bryn Mawr College  
Helped to envision, create, and maintain the Data Science Program.
- 2021 - 2024 **STEM Posse Mentor**

2021 - 2022	<b>CARLA Anti-Racist Workspace Teach-Ins</b> Collaborated with a small group to design and execute a two-part teach-in about creating an anti-racist workspace.	Bryn Mawr College
2022	<b>Mathematics Search Committee</b> Served on a search committee for an Assistant Professor.	Bryn Mawr College
2012 - 2020	<b>BSM Council</b> Served as a consultant to the Budapest Semesters in Mathematics program.	St. Olaf College
2013 - 2020	<b>PAMTC Leadership Team</b> Helped coordinate monthly mathematics enrichment workshops for middle-school teachers as part of the Philadelphia Area Math Teachers' Circle.	The Philadelphia School
2019 - 2020	<b>Chemistry Search Committee</b> Served on a search committee for a Laboratory Lecturer.	Bryn Mawr College
2008 - 2019	<b>Faculty Advising Programs</b> Volunteered for faculty advising and pilot programs.	Bryn Mawr College
2010 - 2019	<b>Quantitative Reasoning Steering Committee</b> Served on the search committee for, and provided feedback to, the Director of the Quantitative Center.	Bryn Mawr College
2015 - 2018	<b>Fellowships Committee Alternate</b> Assisted the Fellowships Committee members when extra help was needed.	Bryn Mawr College
2016 - 2018	<b>FIPSE Research Study</b> Participated in a study on the efficacy of using online instructional modules to help students in introductory STEM courses review fundamental math concepts and skills.	Bryn Mawr College
2017 - 2018	<b>STEM Open Houses</b> Participated in panel discussions and information sessions for prospective STEM majors.	Bryn Mawr College
2012 - 2014	<b>Fellowships Committee</b> Interviewed students applying for external fellowships, and selected recipients for awards.	Bryn Mawr College
2014	<b>Ph.D. Dissertation Committee</b>	Drexel University
2012 - 2013	<b>STEM Posse Committee</b> Consulted with coordinators of the STEM Posse, and developed a math and physics lab for new scholars.	Bryn Mawr College
2013	<b>Book Review for the</b>	



2010 - 2011	<b>Mathematics Search Committee</b> Served on a search committee for an Assistant Professor.	Bryn Mawr College
2010 - 2011	<b>Thinking Forward Committee Activities</b> Participated in a fall faculty retreat and a spring working group.	Bryn Mawr College
2011	<b>Ph.D. Qualifying Exam Committee</b>	Drexel University
2010	<b>Referee for the <i>Electronic Journal of Combinatorics</i></b>	
2010	<b>Ph.D. Qualifying Exam Committee</b>	Drexel University
2009	<b>BSM Director Search Workshop</b> Participated in a workshop intended to create a framework for the recruitment and selection of a new North American Director for the Budapest Semesters in Mathematics Program.	Washington, DC
2009	<b>Book Contribution</b> Acknowledged in <i>How to Guard an Art Gallery and Other Discrete Adventures</i> by T. S. Michael.	
2009	<b>Referee for <i>Discrete Mathematics</i></b>	
2002 - 2006	<b>Career Night</b> Organized a panel discussion and provided a forum for informal conversation between mathematics and computer science students and alumni.	St. Joseph's University
2002 - 2006	<b>High School Mathematics Day</b> Designed and led a problem-solving contest as part of the Sonya Kovalevsky High School Mathematics Day for Philadelphia high-school girls.	St. Joseph's University
2005 - 2006	<b>Elections Committee</b> Solicited nominations and ran elections for committees.	St. Joseph's University
2005 - 2006	<b>Curricular Architecture Committee</b> Conducted research and provided recommendations concerning curricular architecture as part of a comprehensive curriculum review.	St. Joseph's University
2006	<b>Referee for the <i>Journal of Applied Probability</i></b>	
2006	<b>Referee for the <i>Electronic Journal of Combinatorics</i></b>	
2006	<b>New Student Open Houses</b> Organized two open houses for high-school students interested in studying math or computer science.	St. Joseph's University

2004 - 2005	<b>Career Development Center Advisory Committee</b> Consulted with Career Development Center representatives to improve service for students majoring in math or computer science.	St. Joseph's University
2005	<b>Panelist</b> Participated in a panel discussion for graduate students about interviewing with, and working for, different types of institutions.	University of Pennsylvania
2005	<b>Referee for the <i>SIAM Journal on Discrete Mathematics</i></b>	
2003 - 2004	<b>Exam and Dissertation Committees</b> Served as a member of Ph.D. qualifying exam and doctoral dissertation committees.	Lehigh University
2003	<b>Immersion Initiative in Bolivia</b> Selected to travel to Jesuit schools in rural Bolivia and interact with local teachers, students, and supporters.	St. Joseph's University
2002	<b>Referee for <i>Journal of Computer Science</i></b>	
1999 - 2002	<b>Combinatorics Seminar</b> Invited speakers, coordinated talks, and publicized a weekly seminar at the University of Pennsylvania.	University of Pennsylvania
1999 - 2002	<b>Exam and Dissertation Committees</b> Served as a member of Ph.D. qualifying exam and dissertation committees.	University of Pennsylvania
1999 - 2002	<b>Transfer Credit Committee</b> Evaluated requests for transfer credit.	University of Pennsylvania
1997 - 1999	<b>International House Program Coordinator</b> Organized lectures, receptions, dinners, film screenings, and social gatherings for the international community. Lived in the International House on campus, and served as an informal advisor to house residents.	Dartmouth College

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## GRANTS

2023	<b>Change Agent Fund Grant</b> Received funding to train facilitators for the CARLA Anti-Racism Collective Circles.	Bryn Mawr College
2020	<b>Data Science Course Development Grant</b> Received funding to develop an introductory course on statistics for data science.	Bryn Mawr College

2018	<b>Mellon Faculty Forum Root Grant</b> Received funding to support the Philadelphia Area Math Teachers' Circle.	Bryn Mawr College
2017	<b>Mellon Faculty Forum Seed Grant</b> Received funding to support the Philadelphia Area Math Teachers' Circle.	Bryn Mawr College
2016	<b>Mellon Faculty Forum Seed Grant</b> Received funding to support the Philadelphia Area Math Teachers' Circle.	Bryn Mawr College
2016	<b>Mellon Tri-Co Brainstorming Grant</b> Received funding to support the brainstorming of Tri-Co solutions to the problems posed by underprepared students in introductory math courses.	Bryn Mawr College
2015	<b>Mellon Faculty Forum Seed Grant</b> Received funding to support the Philadelphia Area Math Teachers' Circle.	Bryn Mawr College
2012	<b>Mellon Creative Residencies Program</b> Received funding to host mathematician, dancer, and choreographer Karl Schaer of De Anza College and the Dr. Schaer and Mr. Stern Dance Ensemble for a three-week residency exploring the connections between mathematics and dance.	Bryn Mawr College

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## PUBLICATIONS

A. Myers (2010), *Rollette*, *PMEJ* **13**, no. 3, 153{158.

A. Myers (2009), *Forbidden Substrings on Weighted Alphabets*, *Australas. J. Combin.* **45**, 59{66.

A. Myers (2009), *The List of Grievances and Special Requests*, *Focus* **29**, no. 2, 14{15.

A. Myers and H. Wilf (2008), *Left-to-Right Maxima in Words and Multiset Permutations*, *Israel J. Math.* **166**, 167{184.

A. Myers (2007), *Pattern Avoidance in Multisets: Bijective Proof*, *Ann. Comb.* **11**, no. 3{4, 507{517.

A. Myers and H. Wilf (2006), *Wio2ec8v2006uv2006uv2 theSer</MCID2A0-139.44TD[(A.)-333(6(9-333(My)28(ers)-334((20*

A. Myers (1994), *Magyar Mathematics*, UME Trends.

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## PRESENTATIONS

- 2018 *Apollonian Gaskets*, Philadelphia Area Math Teachers Circle.
- 2018 *Liar's Bingo*, Philadelphia Area Math Teachers Circle.
- 2016 *Triangle in a Triangle*, Philadelphia Area Math Teachers Circle.
- 2015 *The Mathematics of the Simplex Lock*, Philadelphia Area Math Teachers Circle.
- 2014 *Coke versus Pepsi*, Philadelphia Area Math Teachers Circle.
- 2013 *Bad Squares on Board Games*, Philadelphia Area Math Teachers Circle.
- 2012 *Are Venn Diagrams Limited to Three or Fewer Sets?*, Philadelphia Area Math Teachers Circle (invited).
- 2010 *Teaching Introductory College Mathematics Courses*, Renyi Institute of Mathematics.
- 2008 *Parents Weekend Lecture*, Bryn Mawr College (invited).  
*The Outstanding Elements of Permutations and Words*, Haverford College (invited).
- 2006 *Pattern Avoidance for Multiset Permutations*, University of Miami (invited).
- 2005 *Bad Squares on Board Games*, Joint Mathematics Meetings.  
*Bad Squares on Board Games*, Budapest Semesters in Mathematics Reunion Conference.
- 2004 *Composition Avoidance and*

*Rigid Patterns*, 32nd Annual Congress on Combinatorics, Graph Theory and Computing.

*Rigid Patterns*, Combinatorialists of New England Conference (invited).

*Rigid Patterns*, George Washington University (invited).

*Basic Interval Orders*, Massachusetts Institute of Technology (invited).

*Basic Interval Orders*, University of Pennsylvania.

1999 *Interval Orders are Shellable*, 31st Annual Congress on Combinatorics, Graph Theory and Computing.

*Combinatorial Topology*, Dartmouth College.

*Topology of Interval Orders*, University of Pennsylvania.

1997 *Paper Folding and Prime Numbers*, University of California at Berkeley (invited).