

AMY N. MYERS

Department of Mathematics
Bryn Mawr College
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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

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	Lecturer in Mathematics 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	Lecturer in Mathematics Taught one finite mathematics and two statistics courses.	Dartmouth College
1996	Teaching Seminar 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	Teaching Assistant 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	Computer Lab Monitor Assisted junior-high and high-school students with computer programming projects as part of the Pre-Freshmen Engineering Program.	University of Texas
1993 - 1994	Computer Lab Monitor Assisted college students with Scheme and C++ programming assignments.	St. Olaf College

PROFESSIONAL DEVELOPMENT

2024	Tech for Good Participated in a workshop about using generative AI as a thought partner in getting work done.	Virtual
2024	MAA Multivariable Calculus with CalcPlot3D Learned about developing learning activities using CalcPlot3D and 3D-printed models.	San Francisco, CA
2023	The Grading Conference 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**
Participated in campo532

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

2010 - 2011	Mathematics Search Committee Served on a search committee for an Assistant Professor.	Bryn Mawr College
2010 - 2011	Thinking Forward Committee Activities Participated in a fall faculty retreat and a spring working group.	Bryn Mawr College
2011	Ph.D. Qualifying Exam Committee	Drexel University
2010	Referee for the <i>Electronic Journal of Combinatorics</i>	
2010	Ph.D. Qualifying Exam Committee	Drexel University
2009	BSM Director Search Workshop 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	Book Contribution Acknowledged in <i>How to Guard an Art Gallery and Other Discrete Adventures</i> by T. S. Michael.	
2009	Referee for <i>Discrete Mathematics</i>	
2002 - 2006	Career Night 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	High School Mathematics Day 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	Elections Committee Solicited nominations and ran elections for committees.	St. Joseph's University
2005 - 2006	Curricular Architecture Committee Conducted research and provided recommendations concerning curricular architecture as part of a comprehensive curriculum review.	St. Joseph's University
2006	Referee for the <i>Journal of Applied Probability</i>	
2006	Referee for the <i>Electronic Journal of Combinatorics</i>	
2006	New Student Open Houses Organized two open houses for high-school students interested in studying math or computer science.	St. Joseph's University

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

GRANTS

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

2018	Mellon Faculty Forum Root Grant Received funding to support the Philadelphia Area Math Teachers' Circle.	Bryn Mawr College
2017	Mellon Faculty Forum Seed Grant Received funding to support the Philadelphia Area Math Teachers' Circle.	Bryn Mawr College
2016	Mellon Faculty Forum Seed Grant Received funding to support the Philadelphia Area Math Teachers' Circle.	Bryn Mawr College
2016	Mellon Tri-Co Brainstorming Grant 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	Mellon Faculty Forum Seed Grant Received funding to support the Philadelphia Area Math Teachers' Circle.	Bryn Mawr College
2012	Mellon Creative Residencies Program 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

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.

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).