

CONTACT            Department of Mathematical Sciences    *Cell Phone:* (512) 913-1171  
INFORMATION    University of Wisconsin-Milwaukee    healyb@uwm.edu  
                         3200 N Cramer St.  
                         Milwaukee, WI 53211 USA                    burnshealy.com

APPOINTMENTS   **University of Wisconsin-Milwaukee**  
                         Visiting Assistant Professor of Topology, 2018-2021

EDUCATION        **Tufts University**, Medford, Massachusetts, USA  
                         Ph.D., Department of Mathematics, May 2018  
                         *Advisor: Professor Genevieve Walsh*  
                         Masters of Science, Mathematics, January 2014  
**University of Texas**, Austin, Texas, USA  
                         Bachelor of Science, Mathematics, May, 2012

RESEARCH  
INTERESTS        Geometric Group Theory  
                         Low Dimensional Topology

PREPRINTS        1. CAT(0) Groups and Acylindrical Hyperbolicity, 2016  
                         2. Rigidity Properties for Hyperbolic Generalizations, (Submitted) 2018  
                         3. Non-positive Curvature in Groups, Dissertation, 2018

TALKS

- 2018 Summer Conference on Topology and its Applications, July 20, 2018  
  Talk title: Rigidity Properties for Hyperbolic Generalizations
- Joint Math Meetings, San Diego, California, January 10-13, 2018  
  Talk title: Non-positive Curvature in Groups
- Brandeis University Topology Seminar, January 24, 2017  
  Talk title: Acylindrical Hyperbolicity and CAT(0) Groups
- Temple GSCAGT, Temple University, Philadelphia, Pennsylvania, May 14-15, 2016  
  Talk title: *Acylindrical Hyperbolicity and CAT(0) Groups*
- Workshop in Geometric Topology, Texas Christian University, Fort Worth, Texas, June 25-27, 2015.  
  Talk title: *On groups with the RFRS property*

## TEACHING

### UWM

Calculus 1 - Fall 2018  
Calculus 2 - Spring 2019  
Introduction to Proofs - Spring 2019

### Tufts University

#### **Instructor of Record:**

Was sole instructor for sections of the following classes, including responsibilities of writing and giving lecture, holding office hours, and grading exams.

- Finite Math - Spring 2015
- Calculus 1 - Summer 2014, Fall 2016
- Calculus 2 - Summer 2015, Summer 2017
- Applied Calculus 2 - Fall 2014
- Calculus 3 - Fall 2013, Fall 2015, Summer 2016

#### **Teaching Assistant:**

Was teaching assistant and grader for Algebraic Topology, at both undergraduate and graduate level. Was teaching fellow for Point-Set Topology taught using inquiry-based methods. Graded homework and exams for Calculus I, Calculus II, Real Analysis, Abstract Algebra and Algebraic Topology. Also led recitation sessions for Calculus II and Symmetry.

### Graduate Institute for Teaching

Fellow of the Graduate Institute for Teaching (GIFT) program at Tufts University in 2017.

## HONORS AND AWARDS

Distinguished Teaching Award, Tufts University Math Department, 2017  
Graduate Institute for Teaching Fellow, Tufts University, 2017  
National Merit Scholarship, University of Texas, 2008-2012.  
Dedman Merit Scholarship, University of Texas, 2008-2012.

## DEPARTMENTAL AND UNIVERSITY SERVICE

### Tufts University

Member: Committee to Search for Tufts Dean of Arts and Sciences  
Member: Committee for Student Life  
President: Graduate Student Council, 2014-2015.  
Vice President: Graduate Student Council, 2013-2014  
Vice President: Tufts Organization of Graduate Students in Mathematics, 2013-2014.

### University of Texas

Editor-in-Chief: Catalyst Newsletter, 2009-2010.