

# Angela G. Vierling-Claassen

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## Current Appointment

August 2007 – Assistant Professor of Mathematics, Lesley University.

2004 – 2007 Preceptor of Mathematics, Harvard University.

## Education

May 2004 PhD in Mathematics, Boston University.

December 1995 Bachelor of Science in Math Education from Florida State University.

## Courses Taught

2006 – 2007 Course head and instructor for *Introduction to Functions and Calculus I* at Harvard University.

2005 – 2006 Course head and instructor for *Introduction to Functions and Calculus I and II* at Harvard University.

*Calculus, Series, and Differential Equations* at Harvard University.

*Theory and Practice of Teaching Algebra I and II* at Harvard Extension School.

2004 – 2005 *Theory and Practice of Teaching Algebra I* at Harvard Extension School.

Course head and instructor for *Introduction to Functions and Calculus II* at Harvard University.

*Introduction to Functions and Calculus I* at Harvard University.

Fall 2003 *Algebraic Structures* at Emmanuel College.

Summer 2002 *Multivariate Calculus* at Boston University.

## Other Teaching Experience

Fall 2004 Taught two classes of 6 to 10 year-olds with the Math Circle, with topics ranging from the sizes of infinity, to the symmetries of a square, to cellular automata.

Fall 2004 Co-taught *Math for Activists* at the Jamaica Plain Free School. The goal of the course was to empower people to use mathematics and statistics to understand and advocate for issues.

2001–2004 Teaching Fellow at Boston University. Ran problem sessions, held office hours, and graded for *Calculus for Social Sciences I and II*, *Multivariable Calculus*, *Calculus I*, and *Introduction to Modern Geometry*.

- Summer 2000 Counselor for teachers with PROMYS, a program for mathematically talented high school students and teachers.
- 1998 – 1999 Teaching Assistant for *College Algebra* at Florida State University.
- Fall 1995 Internship in mathematics teaching at Rickards High School, Tallahassee, Florida.

## Other Experience

- 2003 – 2004 Senior resident assistant with the BU Office of Residence Life. Supervised 10 resident assistants.
- Summer 2003 AAAS Mass Media Science and Engineering Fellow. As a reporter for St. Louis Post-Dispatch, wrote over 20 articles on topics in science and medicine.
- Jan 96 – Aug 98 Information and Referral Coordinator, Telephone Counseling and Referral Service (TCRS), Tallahassee, Florida.
- Aug 93 – Aug 95 Volunteer at TCRS. Hotline counselor, trainer, and supervisor.

## Selected Activities

- 2006 – 2007 Developed Peer-Led Team Learning Project for *Introduction to Functions and Calculus I and II* at Harvard. This model engages teams of six to nine student in problem-solving activities guided by a peer leader who has previously taken the class. After a pilot program involving three peer leaders in 2005–2006, I broadened to program to include 12 peer leaders and all 105 students in the course. All of the materials have been developed by Bret Benesh and myself.
- 2005 – 2006 Project NExT fellow. Project NExT is a professional development program for recent Ph.D.s in the mathematical sciences. Co-organizer of a Project NExT special session on “Spicing Up the Teaching of Calculus” at the AMS/MAA Joint Meetings.
- Article “Mathematical Models and Modern art in the Early 20th Century” translated into Hungarian and published in *Ponticulus Hungaricus*, a monthly online magazine.
- Panelist, “Teaching Portfolio Workshop” with the Derek Bok Center for Teaching and Learning at Harvard University.
- Organizer for the Mathematics Education Seminar Series at Harvard University.
- 2004 – 2005 Developed an instrument for helping students learn to read mathematics (at the calculus level and below). This was used in *Introduction to Functions and Calculus II* and is currently being used by Harvard’s Bureau of Study Counsel in their course on *Reading and Study Strategies*.
- 2003 Talk, “Mathematical Models and Art in the Early 20th Century” at the MAA Northeastern section fall meeting, November 21-22, 2003.
- 2002 Joint talk with Amanda Serenevy, “Mathematics and Origami,” Mathematics Field Days at BU, October 22 and 29, 2002.

Workshop, “Teaching Discussion-style Classes in a Quantitative Subject.” BU New Teaching Fellow Orientation, August 29, 2002.

Panel discussion, Nebraska Conference for Undergraduate Women in Mathematics, February 1-3, 2002.

2001 Joint talk with Amanda Serenevy, “How to Tell If You Live on a Bagel,” Mathematics Field Days at BU. October, 2001.

Participant, Institute for Advanced Study (IAS) Mentoring Program for Women in Mathematics Princeton, New Jersey, May 15-25, 2001.

Organized a modular origami night for BU students in the spring of 2001.

2000 Talk, “A History of Models of Surfaces” in Geometric Potpourri Seminar, University of Illinois at Urbana-Champaign, November 14, 2000.

Pathways, April 11-12, 2000. Served as a mentor for high school girls interested in mathematics and science and presented a “demo table” related to geometry and topology.

2000/2001/2002 Co-organized orientation for new graduate students. Co-organized a series of lectures to introduce new and continuing graduate students to faculty research during the 2000–2001 and 2001-2002 academic years.

## Honors

Fall 2004 Recieved a “Certificate of Distinction in Teaching” from the Derek Bok Center and the Office of the Dean of Undergraduate Education at Harvard.

2002 Received the “Outstanding Teaching Fellow Award” in mathematics from BU for the 2001-2002 academic year.

March 8, 2007