

# CURRICULUM VITAE

## Erin E. Chamberlain

### Personal:

Office: 263 TMCB  
Brigham Young University  
Provo, Utah 84602  
Phone: (o) (801) 422-4046, (c) (801) 949-6733  
Fax: (801) 422-0504  
Email: chamberlain@math.byu.edu  
Homepage: <http://www.math.byu.edu/chamberlain>  
Citizenship: USA

### Education:

PhD Mathematics May 2008 University of Utah (Paul Roberts, Advisor)  
MS Mathematics May 2004 University of Utah  
BS Mathematics April 2000 Brigham Young University

### Research Interests:

Commutative Algebra, Homological Algebra  
Thesis Title: Modules with prescribed intersection properties

### Employment:

Visiting Assistant Professor	Fall 2008-	Brigham Young University
Research Assistant	Spring 2008	University of Utah
Teaching Fellow	Spring–Fall 2007	University of Utah
Research Assistant	Fall 2006	University of Utah
Teaching Fellow	Fall 2004–Spring 2006	University of Utah
Teaching Assistant	Fall 2002–Summer 2004	University of Utah
Research Assistant	Fall 1999–Spring 2000	Brigham Young University
Teaching Assistant	Spring 1999	Brigham Young University
Grader	Fall 1998	Brigham Young University

### Publications:

- *Modules with prescribed intersection properties*, submitted
- *Infinite Cohen-Macaulay Posets and Non-Noetherian Stanley-Reisner Rings*, preprint

**Seminar Talks:**

- Mar. 2009 *Cohen-Macaulay partially ordered sets*, MAA Intermountain section meeting, Provo, UT
- Mar. 2009 *Infinite Cohen-Macaulay posets and non-Noetherian Stanley-Reisner rings*, Commutative algebra seminar, University of Utah
- Mar. 2009 *Mathematics, the #1 Job*, Expanding Your Horizons, Utah Valley University
- Feb. 2009 *Cohen-Macaulay Rings*, S-ring seminar, Brigham Young University
- Oct. 2008 *Frobenius algebras*, S-ring seminar, Brigham Young University
- Feb. 2008 *Serre's vanishing conjecture for non-regular rings*, Department Colloquium, Brigham Young University
- Feb. 2008 *Tropical Mathematics and the fundamental theorem of tropical algebra*, Undergraduate Colloquium, Seattle University
- Feb. 2008 *Modules with prescribed intersection properties*, Algebra and Algebraic Geometry Seminar, University of Washington
- Jan. 2008 *Modules with prescribed intersection properties*, AMS Joint Mathematics Meeting, San Diego, CA
- Nov. 2007 *Modules with prescribed intersection properties II*, Commutative algebra seminar, University of Utah
- April 2007 *Modules with prescribed intersection properties I*, Commutative algebra seminar, University of Utah
- Oct. 2006 *Modules of finite projective dimension over complete intersections*, Commutative algebra seminar, University of Utah
- Sept. 2006 *The geometry of commutative algebra*, Graduate colloquium, University of Utah
- March 2006 *The monomial conjecture and Cohen-Macaulay canonical modules—a paper by Le Thanh Nhan, part II*, Commutative algebra seminar, University of Utah
- March 2006 *The monomial conjecture and Cohen-Macaulay canonical modules—a paper by Le Thanh Nhan, part I*, Commutative algebra seminar, University of Utah
- April 2005 *Modules of finite length and finite projective dimension—a paper by P. Roberts and V. Srinivas*, Commutative algebra seminar, University of Utah

**Conferences Attended:**

- Mar. 2009 CURM-MAA Intermountain Section Meeting, Provo, UT  
 Jan. 2009 Nebraska Conference for Undergraduate Women in Mathematics, Lincoln, NE  
 Jan. 2009 Connections for Women: Algebraic Geometry and Related Fields, MSRI, CA  
 Sept. 2008 KUMUNU, Lincoln, NE  
 Jan. 2008 AMS Joint Mathematics Meeting, San Diego, CA  
 Oct. 2006 AMS sectional meeting, Salt Lake City, Utah  
 May 2006 Homological conjectures in Commutative Algebra, Conference in Honor of Paul Roberts' 60th Birthday, Snowbird, Utah  
 June 2005 Summer school in Commutative Algebra for graduate students: Local cohomology and its interactions with Algebra, Geometry, and Analysis, Snowbird, Utah  
 June 2004 Mini-course on Classical problems in Commutative Algebra, Salt Lake City, Utah

**Grants/Awards:**

*AWM Travel Grant:* 2009

*VIGRE grant:* To promote interaction among members of the community at all levels.  
 Duties:

- Coordinate mentors for the prelim boot camps.
- Mentor the students preparing for the Algebra prelim.
- Help with Math Circle, a high school mathematics program.
- Mentor for the ACCESS program, an eight week course for incoming freshmen women in the sciences.

*Outstanding Graduate Student Award:* (2005) Based on excellence in teaching and progress through the graduate program.

**Professional Activities:**

Math Club faculty advisor	2008–present
Undergraduate Mentor	2008–present
President of the AWM student chapter	2004–2007
Co-Founder and Vice-president AWM student chapter	2003–2004

**Teaching:**

Math 371	Abstract Algebra I	Fall 2009
Math 112 H	Honors Calculus I	Fall 2009, Winter 2009
Math 119	Introduction to Calculus	Winter 2009
Math 112	Calculus I	Fall 2008
Math 3210	Foundations of Analysis	Fall 2007, Summer 2007
Math 2210	Calculus III	Summer 2004
Math 1220	Calculus II	Fall 2004, Fall 2003
Math 1210	Calculus I	Spring 2004
Math 1100	Quantitative Analysis	Spring 2003
Math 1090	Business Algebra	Summer 2005, Fall 2002
Math 1060	Trigonometry	Spring 2005, Summer 2003
Math 1050	College Algebra	Spring 2007

**Professional Memberships:**

AMS  
AWM