

# Matthew M. Conroy

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## EDUCATION

- Doctor of Philosophy, Mathematics** 1997  
University of Colorado, Boulder  
Thesis in analytic number theory  
Title: Bilinear Forms on Residue Classes and Applications  
Advisor: Professor P.D.T.A. Elliott
- Master of Science, Mathematics** 1990  
University of Lowell, Lowell, Massachusetts
- Bachelor of Science, Mathematics** 1988  
University of Lowell, Lowell, Massachusetts

## TEACHING EXPERIENCE

- University of Washington, Seattle** Autumn 2008 to present  
*Associate Teaching Professor (Senior Lecturer to September 2020)*  
Director of the Math Study Center (Autumn 2013 to present)  
courses: Business Algebra (111), Business Calculus (112), Precalculus (120), Calculus (124,125,126 including honors sections), Introduction to Mathematical Reasoning (300), Elementary Number Theory (301), Discrete Mathematical Modeling (381), Independent Study (399), Freshman Seminar (Playing with Curves: Art and Mathematics) (Winter, Autumn 2015),
- University of Washington, Seattle** Autumn 2004 to Spring 2008  
*Lecturer*  
courses: Calculus (124,125,126 including honors sections), Precalculus (120), Business Algebra and Calculus (111,112), Freshman Seminar (General Studies 197)
- University of Washington, Seattle** Autumn 2001 to Spring 2004  
*Part-Time Lecturer*  
Taught at 100% teaching load for all but the first quarter of employment.  
courses: Calculus (124,125,126), Precalculus (120), Business Algebra and Calculus (111,112), Probability (394)
- North Central College** Autumn 1999 to Spring 2000  
*Assistant Professor*  
courses: Calculus, Linear Algebra, Quantitative Reasoning
- Dartmouth College** Winter and Spring 1999  
*Visiting Assistant Professor*  
courses: Differential Equations, Mathematical Modeling in the Social Sciences
- Colby-Sawyer College** Autumn 1998  
*Member of Adjunct Faculty*  
course: Calculus
- University of Colorado, Boulder** Autumn 1990 to Spring 1996  
*Teaching Assistant*  
courses: Calculus, Precalculus

## SERVICE

<b>University of Washington, Mathematics Department</b> Washington Experimental Mathematics Lab (WXML) "Number Theory and Noise"	Spring 2016 - present
<b>University of Washington, Mathematics Department</b> Executive Committee	Autumn 2014 - present
<b>University of Washington, Mathematics Department</b> Undergraduate Program committee	2004 - present
<b>University of Washington, Applied Computational and Mathematical Sciences</b> ACMS Steering committee	Autumn 2019 - present
<b>University of Washington, Mathematics Department</b> Math 120 (Precalculus) Coordinator	2003 - present
<b>University of Washington, Mathematics Department</b> Washington Experimental Mathematics Lab (WXML). "OEIS/Wikipedia Task Force"	Spring 2016
<b>University of Washington</b> Special Committee on Honorary Degrees	Spring 2010 - Spring 2014
<b>University of Washington</b> Faculty Senate	Autumn 2005 - Spring 2009
<b>University of Washington</b> Faculty Council on Educational Technology	Autumn 2006 - Spring 2009
<b>MPT Item Reviewing Workshop</b> Worked with the Office of Educational Assessment. Wrote and reviewed new Mathematics Placement Test problems.	Spring 2009 and Autumn 2010
<b>University of Washington</b> Faculty Council on University Relations	Autumn 2007 - Autumn 2009
<b>University of Washington, Mathematics Department</b> Math Services committee	2004-2005
<b>Transition Math Project</b> Worked with K-12 and 4-year institution faculty to develop college readiness mathematics standards.	Summer 2004

## SEMINARS

<b>General Studies 197 - "Playing with Curves: Art and Mathematics"</b> Students investigated ways to generate curves (cartesian, polar, and parametric methods, Cesaro equations, etc.), the visual properties of curves and relationships among curves.	Winter and Autumn 2015
<b>General Studies 197 - "A Look at Plane Curves"</b> A seminar for first-year students focusing on planar curves. Topics included a review of polynomials, algebraic curves and Bezout's theorem, and fractal curves.	Spring 2007

## PUBLICATIONS

'A sequence related to a conjecture of Schinzel'  
Journal of Integer Sequences, Volume 4 (2001), Issue 1

## OTHER EXPERIENCE

**SkyLight Professional Development** Mount Prospect, Illinois July 2000 to April 2001  
*Instructional Designer*

designed web-based distance learning mathematics courses for K-12 teachers

**Fluent, Inc.** Lebanon, New Hampshire March 1998 to June 1999  
*member of technical staff, software documentation*

wrote and edited tutorials and manuals for computational fluid dynamics software; converted L<sup>A</sup>T<sub>E</sub>X-based documentation to HTML-based via Perl scripting

## OTHER EDUCATION

**Foundation Certificate in Drawing**, Gage Academy of Art, Seattle, Washington 2014  
Studied figure drawing and sculpting, still life drawing, perspective, color theory, artistic anatomy, 2011-2014