

Matthew M. Conroy

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EDUCATION

- Doctor of Philosophy, Mathematics** 1997
University of Colorado, Boulder
Thesis 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, Naperville, Illinois** Autumn 1999 to Spring 2000
Assistant Professor
courses: Calculus, Linear Algebra, Quantitative Reasoning
- Dartmouth College, Hanover, New Hampshire** Winter and Spring 1999
Visiting Assistant Professor
courses: Differential Equations, Mathematical Modeling in the Social Sciences
- Colby-Sawyer College, New London, New Hampshire** Autumn 1998
Member of Adjunct Faculty
course: Calculus
- University of Colorado, Boulder** Autumn 1990 to Spring 1996
Teaching Assistant
courses: Calculus, Precalculus

SERVICE

University of Washington, Mathematics Department Led subcommittee of the Undergraduate Program Committee in the development of a guided self-placement system (GSP) to replace the previous high-stakes, low-quality, costly placement testing system. GSP implemented Spring 2020. Analysis, maintenance and updating of the system is ongoing.	Autumn 2019 - present
University of Washington, Mathematics Department Undergraduate Program committee	2004 - present
University of Washington, Mathematics Department Teaching-stream hiring committee	Autumn 2022 - Winter 2023
University of Washington, Mathematics Department Diversity committee	Autumn 2021 - Spring 2022
University of Washington, Mathematics Department Math 120 (Precalculus) Coordinator	2003 - present
University of Washington, Mathematics Department Washington Experimental Mathematics Lab (WXML) "Number Theory and Noise" project in which undergraduates created sonic manifestations of OEIS sequences.	Spring 2016 - Winter 2020
University of Washington, ACMS ACMS Steering committee	Autumn 2019 - Spring 2021
University of Washington, Mathematics Department Executive Committee	Autumn 2014 - Spring 2020
University of Washington, Mathematics Department Washington Experimental Mathematics Lab (WXML). "OEIS/Wikipedia Task Force"	Spring 2016
University of Washington Special Committee on Honorary Degrees	Spring 2010 - Spring 2014
University of Washington Faculty Senate	Autumn 2005 - Spring 2009
University of Washington Faculty Council on Educational Technology	Autumn 2006 - Spring 2009
MPT Item Reviewing Workshop Worked with the Office of Educational Assessment. Wrote and reviewed new Mathematics Placement Test problems.	Spring 2009 and Autumn 2010
University of Washington Faculty Council on University Relations	Autumn 2007 - Autumn 2009
University of Washington, Mathematics Department Math Services committee	2004-2005
Transition Math Project Worked with K-12 and 4-year institution faculty to develop college readiness mathematics standards.	Summer 2004

PUBLICATIONS

An Introduction to Mathematical Reasoning, Matthew Conroy and Jennifer Taggart 2015
free textbook for the UW course Math 300

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

SEMINARS

General Studies 197 - "Playing with Curves: Art and Mathematics" Winter and Autumn 2015
Students investigated ways to generate curves (cartesian, polar, and parametric methods, Cesaro equations, etc.), the visual properties of curves and relationships among curves.

General Studies 197 - "A Look at Plane Curves" Spring 2007
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.

WIKIPEDIA EDIT-A-THONS

Art+Feminism Wikipedia Edit-a-thon: Womxn Artists of the Pacific Northwest Nov. 29, 2019
Participated in edit-a-thon organized by Jacob Lawrence Gallery and UW School of Art + Art History + Design as an experienced Wikipedia editor. Assisted in the creation of several biographical articles on womxn artists of the Pacific Northwest.

Editing as Activism: Edit-A-Thon to Correct Systemic Bias in Wikipedia Nov. 2, 2019
Participated in edit-a-thon organized by Labor Archives of Washington, UW Special Collections, and Cascadia Wikimedians User Group as an experienced editor. Assisted new editors in editing work.

RECORDINGS

B LLOON S 2024
eight-track EP, released March 2, 2024 (listen)

This is where we live and I am standing on the porch 2022
five-track EP, released March 1, 2022 (listen)

RPM 2021 2021
five-track EP, released March 25, 2021 (listen)

"There is a graveyard for weather" 2020
track on *Covid-19 Compilation: Recorded Under Quarantine*, released May 3, 2020 (listen)

FESTIVALS AND SIMILAR

Edmonton Noisefest 2022 August 28, 2022
Video *Crowd* shown at on-line event hosted by the Boreal Electroacoustic Music Society

Drone Day 2022 May 28, 2022
Video *Nearest Neighbor* shown at on-line event hosted by the Boreal Electroacoustic Music Society

Art's Birthday Edmonton 2022 January 15, 2022
Video *Circles Pass Close* shown at on-line event hosted by the Boreal Electroacoustic Music Society

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 \LaTeX -based documentation to HTML-based via Perl scripts.

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