

Mary H. Williams

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KEY QUALIFICATIONS

- Math instructor to many diverse students, traditional and nontraditional, with different ethnic backgrounds
- Post-Secondary teaching experience using a variety of styles including online courses, flipped format classes, and self-paced/mastery sequences
- Extensive knowledge with curriculum development and course redesign
- Effectively implement and promote technology within the classroom for faculty and students
- Active participant on multiple committees involving assessment, placement testing and advising liaison

PROFESSIONAL EXPERIENCE

Roosevelt University

Instructor Mathematics and Actuarial Science
Adjunct Instructor Mathematics and Actuarial Science

Chicago, IL

Fall 2008-present
Fall 2002-Summer 2008

Classes Taught: Pre Algebra, Developmental Mathematics, Developmental Mathematics for College Algebra, Introductory Algebra, Intermediate Algebra, Applied Intermediate Algebra, Advanced Intermediate Algebra, Quantitative Literacy, Finite Mathematics, College Algebra, Pre Calculus, First Year Seminar (ACP 101)

DePaul University

Adjunct Instructor

Chicago, IL

Fall 2001-Fall 2002

Classes Taught: Basic Applied Algebra, Intermediate Algebra, Pre Calculus

Loyola University

Adjunct Instructor

Chicago, IL

Fall 2001

Classes Taught: Intermediate Algebra

American University

Adjunct Instructor

Washington, D.C

Fall 2000 –Spring 2001

Classes Taught: Finite Math

Montgomery Community College

Adjunct Instructor

Rockville, MD

Fall 2000 – Spring 2001

Classes Taught: Intermediate Algebra, Pre Calculus

- Tutored students from Pre-Algebra through Calculus at the Math/Science Tutoring Center

Saddleback Community College

Adjunct Instructor

Mission Viejo, CA

Spring 2000

Classes Taught: Pre Algebra, Beginning Algebra

- Tutored students from Pre-Algebra through Calculus at the Learning Assistance Program

Forest Hill Community High School

Teacher/Department Chair

West Palm Beach, FL

January 1993-September 1999

Classes taught: General Math, Algebra I, Algebra II, and Advanced Placement Calculus AB

Other Responsibilities for the High School:

- Instructed gifted to remedial students with diverse ethnic backgrounds using several instructional methods including cooperative learning and peer teaching.
- Founded, operated and promoted an after-school Math Tutor Lab.
- Served as Senior Class Sponsor whose duties included coordinating and overseeing graduation ceremonies.
- Participated in district-wide curriculum writing for Pre-Calculus and Math Analysis.
- Coached Girls' Varsity Soccer for two years and significantly increased participation.

EDUCATION

Master of Science in Teaching
with a major in Mathematics, 1998

Florida Atlantic University, Boca Raton, FL

B.A. Mathematics, 1991

Florida Atlantic University, Boca Raton, FL

UNIVERSITY SERVICES AND PROFESSIONAL INVOLVEMENT

- Creator and Coordinator of Math PReP (Placement Reassessment Program) at Roosevelt University
The program is designed to reduce the number of students in the Developmental math program and build the confidence of these students to help with retention.
- Developed and implemented the new Developmental Math Program at Roosevelt.
- Coordinator of Assessment for the General Education Math Classes
- Active member of the Assessment Committee for the University, General Math liaison with the Advising staff, University Math Placement Test committee
- Member of the search/hiring committee for several positions in the math department at the university.
- Organize, communicate, observe and assist the adjunct math faculty.
- Mentor to new non-tenure track faculty
- Participated in the New Student Orientations and Panels.
- Department liaison for Pearson and the My Labs Plus online homework system
- Reviewed several textbooks for Pearson Publishing
- Participant in RU American Dream Conference/Service Day

CONTINUING EDUCATION AND PROFESSIONAL DEVELOPMENT

- Member of the Engaging Mathematics Grant which is a three year initiative of the National Center for Science & Civic Engagement
- Attend workshops on a regular basis to stay abreast of new teaching strategies and technologies
- Member of NADE
- Participating in SENCER workshops and development at the university
- Windy City Workshops – presented by Pearson Publishing
- Webinars on Online courses; Measuring Students Success
- ICTCM Workshops
- Chicago Symposium Workshops
- Civic Inquiry and Action in the Disciplines (AAC&U) - September 2014
- C-STEMEC - June 2013
- Workshop about the I-Pad and NSpire presents by Texas Instruments - March 2013

TECHNOLOGY EXPERTISE

- Proficiency in using Texas Instruments graphing calculators
- Microsoft Powerpoint, Word & Excel
- Blackboard
- MyMathLab, MyLabsPlus, MyMathTest
- Degree Works

PUBLICATIONS

- Proceedings of the Roosevelt University Mini-Conference on Teaching Volume Six 2009 (RUMCOT 6), “Integrating Online Homework in Face-to-Face Lectures” written with Barbara Gonzalez
- “Making the Grade” with Pearson Publishing about our success with My Math Test and Placement

CONFERENCE PRESENTATIONS

- The Chicago Symposium Series – Roosevelt University- presentation on “College Algebra- Modeling the City” February 3, 2017
- University Assessment Symposium- Roosevelt University-. – presentation on results from cumulative quizzing in an online math class; September 30, 2016
- Windy City Math Meeting – Chicago-Presentation on “Getting the Most out of Using My Math Lab” October 12, 2012
- RUMCOT – Chicago -Roosevelt University Mini Conference on Teaching – Presented on Math PReP and the new Developmental math program April 26, 2012
- ICTCM Orlando – Roosevelt University’s Math PReP (Placement Reassessment Program) –Placement and Remediation with My Math Test - March 24, 2012
- 6th Annual Hoosier Conference- Indianapolis- Discussions on Tips for New Users to My Math Lab – Oct. 1, 2011
- Windy City Math Meeting – Glenview- Presentation Remediation and Placement with My Math Test (Math PReP) Feb. 25, 2011
- Chicago Course Redesign Workshop - Oakbrook –Presentation on Math PReP Oct. 15, 2010
- Lunch Roundtable – Glenview- Presented Math PReP Jan. 15, 2010
- Windy City Math Meeting –Chicago- Tips and Advice for Novice Users of My Math Lab Feb. 20, 2009