

Stephen M. Adams

Office: Little Hall 326
Email: stephen.adams@ufl.edu

University of Florida
Department of Mathematics
Gainesville, FL 32611

POSITIONS HELD

Lecturer, Mathematics – University of Florida (July 2019 – Present)
Assistant Professor, Mathematics – Cabrini University (2014 – 2019)
Teaching Assistant, Mathematics – North Carolina State University (2008 – 2014)

EDUCATION

Ph.D. in Mathematics, North Carolina State University, Raleigh, NC (August 2014)
Dissertation Title: On the Cross Section Lattice of Reductive Monoids (under the direction of Mohan Putcha)

M.S. in Mathematics, North Carolina State University, Raleigh, NC (May 2011)

M.A. in Economics, The Ohio State University, Columbus, OH (August 2007)

B.S. in Mathematics and Economics, Florida State University, *Liberal Studies Honors Program, Summa Cum Laude* (Spring 2006)

TEACHING EXPERIENCE

Lecturer, Mathematics – University of Florida

- MAC 2311 – Analytic Geometry and Calculus 1 (Flipped) - Fall 2019 (3 sections), Spring 2020 (3 sections), Fall 2020 (3 sections), Fall 2021 (3 sections), Fall 2022 (1 section)
- MAC 2311 – Analytic Geometry and Calculus 1 (Lecture) - Summer 2019, Spring 2021 (3 sections), Summer 2021, Summer 2022
- MAC 2311 – Analytic Geometry and Calculus 1 (Online) - Summer 2020
- MAC 2312 – Analytic Geometry and Calculus 2 (Flipped) – Spring 2022 (3 sections)
- MAC 2312 – Analytic Geometry and Calculus 2 (Lecture) – Fall 2022 (1 section)

Assistant Professor, Mathematics – Cabrini University

- MAT 114 – Modern College Mathematics II - Spring 2018
- MAT 117 – Algebra and Trigonometry - Fall 2015 (2 sections)
- MAT 118 – Introduction to Statistics - Fall 2014, Spring 2015 (2 sections), Spring 2016 (2 sections), Fall 2016 (2 sections), Spring 2017 (2 sections), Fall 2017 (2 sections), Spring 2018, Fall 2018 (2 sections), Spring 2019
- MAT 130 – Calculus I - Fall 2014 (2 sections), Spring 2015, Spring 2016, Spring 2018, Spring 2019
- MAT 131 – Calculus II - Spring 2017
- MAT 201 – Linear Algebra - Fall 2015
- MAT 215 – Discrete Mathematics - Fall 2015, Fall 2016, Fall 2017, Fall 2018

- MAT 221 – Introduction to Mathematical Proofs – Spring 2018
- MAT 225 – Introduction to Technology in Mathematics (co-instructor) - Fall 2014, Fall 2017, Fall 2018
- MAT 230 – Calculus III - Fall 2016
- MAT 301 – Abstract Algebra - Spring 2015, Spring 2016, Spring 2017, Spring 2018, Spring 2019
- MAT 399 – Abstract Algebra II - Spring 2016
- MAT 407 – Geometry - Fall 2014, Fall 2015, Fall 2017, Fall 2018
- MAT 410 – Real Analysis - Summer 2015, Spring 2017, Fall 2018
- MAT 430 – Complex Variables - Spring 2019

Graduate Teaching Assistant - North Carolina State University

Instructor. Prepared syllabi, wrote lectures, wrote all tests and quizzes, held office hours, graded all quizzes, calculated final grades. For large classes, managed teaching assistants. For small classes, graded tests.

- MA 242 – Calculus III for Mathematics and Engineering Majors (three times)
- MA 241 – Calculus II for Mathematics and Engineering Majors (four times)
- MA 141 – Calculus I for Mathematics and Engineering Majors (two times)
- MA 111 – Precalculus with Algebra and Trigonometry
- MA 105 – Mathematics of Finance (two times)

Recitation Leader. Held weekly review sessions, took attendance, held office hours, graded tests

- MA 111 – Precalculus with Algebra and Trigonometry

UNIVERSITY SERVICE

University of Florida

- MAC 2312 Coordinator – Fall 2022 – present
- Preview Advisor – Summer 2022
- Teaching Methods Committee – Chair (Fall 2021 – present)
- Online Course Committee – Member (Fall 2021 – present)
- Undergraduate Committee Lower Division – Member (Fall 2021 – present)
- Lecturer Search Committee – Member (Fall 2021 - Spring 2022)
- TA Training – Member (Fall 2020 – present)
- Teaching Methods Committee – Member (Fall 2020 – Spring 2021)

Cabrini University

- Chair, Academic Honesty Board (Fall 2018 – Spring 2019)
- Biology Faculty Hiring Committee – Member (Spring 2018)
- Interim Chair, Academic Honesty Board (Spring 2017)
- Physics Faculty Hiring Committee – Member (Spring 2016)
- HIP Internship/Research/Capstone Subcommittee – Member (Spring 2016 – Spring 2017)
- Mathematics Faculty Hiring Committee – Member (Spring 2016)
- Scientific Literacy Artifact Reader (Fall 2015 – Spring 2016)
- Academic Honesty Board – Member (Fall 2015 – Spring 2018)
- Mathematics Faculty Hiring Committee – Member (Spring 2015)
- Faculty Professional Topics Subcommittee – Member (Fall 2014 – Spring 2017)

PROFESSIONAL DEVELOPMENT

MAA Project NExT Fellow (August 2014 – August 2015)

Math Research Experience for Graduates Program – Mentor (Summer 2011)

- Organized research group in reductive monoids and face lattices of rational polytopes

Math Research Experience for Graduates Program – Participant (Summer 2010)

- The Concrete Tetrahedron

Math Research Experience for Graduates Program – Participant (Summer 2009)

- Cryptographic Systems

PUBLICATIONS

Geometries (with Emma Wright), in preparation

Cyclic Centroids of Convex Polygons, submitted

On Distributive Cross Section Lattices of Reductive Monoids, in preparation

PRESENTATIONS

“Instant Insanity: Using Colored Blocks to Teach Graph Theory” – Joint Mathematics Meetings, January 4, 2017

“Using Algebra to Solve Two Popular Puzzles That Aren’t Sudoku” – MathFest, August 4, 2016

“Cross Section Lattices of J-Irreducible Reductive Monoids as a Product of Chains” – Joint Mathematics Meetings, January 12, 2015

“On the Distributive Cross Section Lattices of J-Irreducible Reductive Monoids” – Joint Mathematics Meetings, January 16, 2014

CONFERENCES and WORKSHOPS ATTENDED

EPaDel Spring Section Meeting – Kutztown University, April 1, 2017

Joint Mathematics Meetings, Atlanta, GA (January 2017)

EPaDel-NJ Fall Section Meeting – Villanova University, November 12, 2016

Simulation Based Inference Workshop – Germantown Academy, June 4-5, 2016

Conference on Mathematics and Games – Misericordia University, April 9, 2016

EPaDel Spring Section Meeting – Muhlenberg College, April 2, 2016

MathFest, Washington, DC (August 2015)

Joint Mathematics Meetings, San Antonio, TX (January 2015)

MathFest, Portland, OR (August 2014)

Joint Mathematics Meetings, Baltimore, MD (January 2014)

Workshop on Algebraic Monoids, Group Embeddings and Algebraic Combinatorics, Toronto (July 2012)

PROFESSIONAL SERVICE

Judge for MAA Undergraduate Poster Session at Joint Mathematics Meetings (January 2017)

Member of MAA/AMC Contest Panel (April 2016 – April 2018)

Judge for MAA Undergraduate Poster Session at Joint Mathematics Meetings (January 2015)

Panelist, Graduate Training Seminar, Transition to Teaching (Fall 2013)

Volunteer, NC State TA Training Workshop (Fall 2013)

Test Writer, Mu Alpha Theta (2000 - 2014)

- Wrote tests for regional, invitational, state, and national math competitions

HONORS

Outstanding Teaching Assistant Award, North Carolina State University (2013)

Thank a Teacher Recipient, North Carolina State University (2011)

Technology

GeoGebra, Geometer's Sketchpad, LaTeX, Maple, Matlab, Moodle, MyMathLab/MyStatLab, Webassign