

Douglas T. Pfeffer

Curriculum Vitæ

E-mail d.pfeffer@ufl.edu
Website www.dtpfeffer.com

SUMMARY

Experienced educator with academic competence in both mathematics and history. An instructor that is adaptive, professional, motivated, and dedicated to the teaching of mathematics in higher education. Seeking employment opportunities in higher education.

EDUCATION

Ph.D., Mathematics Expected May 2019

University of Florida

Research in establishing Widom and Szegő type theorems for classes of uniform algebras, as well as solving Nevanlinna-Pick interpolation problems on various subsets of the complex bidisk via functional analytic modeling.

Advisor: Dr. Michael Jury

M.S., Mathematics 2016

University of Florida

B.S., Mathematics 2014

Florida Atlantic University

GPA: 3.94; Summa Cum Laude.

EXPERIENCE

Graduate Teaching Assistant 2014-2019

University of Florida, Gainesville

- Primary instructor for the following mathematics courses
 - Calculus 2
 - * Spring 2018 – Taught the course lecture-hall style to 300+ students
 - * Summer 2018 – Taught this course using standard based grading and flipped classroom structures. Successfully advocated the use of these structures within all summer Calculus 2 courses and helped create and organize them for the department.
 - Math for Liberal Arts 2, Precalculus Algebra, Precalculus Algebra and Trigonometry

Responsibilities include lecturing, lesson planning, homework and exam creation, grading, assigning course grades, holding office hours, classroom and time management

- Teaching Assistant leading Discussion Sections for following mathematics courses

- Linear Algebra (MAS 4105)
 - * Proof-based course involving grading proofs, teaching and reinforcing introductory proof techniques, and giving lectures on proof based material.
 - * Fall 2017 and Fall 2018
- Precalculus Algebra and Trigonometry, Calculus 1, Calculus 2, Calculus 3, Math for Liberal Arts 1, Math for Liberal Sciences 2

Responsibilities include holding office hours, proctoring and grading exams, work in the Mathematics Tutoring Center, classroom and time management.

Professional Mathematics Tutor 2012-2014
Tutor Doctor, Broward County, Florida

- Provided supplementary instruction for a variety of both high school and university subjects as well as Test Prep for an array of standardized tests.
 - University subjects include: Math for Liberal Arts 1, Precalculus Algebra and Trigonometry, Calculus 1, Calculus 2, Discrete Mathematics

Exercised flexibility and punctuality by meeting on time with clients at their preferred location and time. Created review material and practice exams.

Teaching Assistant 2010-2011
Broward College, Davie, Florida

- Worked in the Mathematics Department and helped teach Developmental Mathematics
 - Duties included the creation of lesson plans, lecturing, creation and grading of assessments, working in the departmental tutoring center, hosting one-on-one and group tutoring.

PUBLICATIONS

2. Douglas T. Pfeffer, Michael T. Jury, “Widom theorem for finite codimensional subalgebras of uniform algebras.” *In Preparation.*
1. Douglas T. Pfeffer, “World War II and the Emergence of Applied Coursework in the Undergraduate Mathematics Curriculum, 1929 – 1958.” *In Preparation.*

TALKS

5. *Constructibility and the Greek Problems of Antiquity*
 Undergraduate Mathematics Society, University of Florida, October 1, 2018
4. *Widom Theorem for a constrained subalgebra of H^∞*
 34th Southeastern Analysis Meeting, Georgia Tech, March 23, 2018
3. *World War II and the Emergence of Applied Coursework in the Undergraduate Mathematics Curriculum, 1929 – 1956*
 57th Annual Meeting of the History of Education Society, Little Rock, Arkansas, November 5, 2017
2. *17th and 18th Century Calculus — A Series Approach*
 University of Florida, Graduate Mathematics Association, January 11, 2017

1. *Introduction to D. Sarason's operator theoretic approach to the Pick interpolation problem.*
University of Florida, Analysis Seminar, March 30, 2016

LEADERSHIP

Founder / Organizer – History of Mathematics Seminar Fall 2018
University of Florida

Founded the University of Florida's first ever seminar on the History of Mathematics. Responsibilities included giving weekly talks; organizing and finding guest speakers; advocating for the subject and gathering interest throughout the department.

Vice President – Graduate Math Association (GMA) 2016
University of Florida

Responsibilities included social networking with faculty; organizing and finding speakers for bi-weekly, GMA hosted colloquia; introducing speakers; administrating social activities for the department; keeping open lines of communication between graduate students and faculty.

AWARDS

UF Mathematics Graduate Student Teaching Award Won in 2018
University of Florida

- Highest Graduate Teaching Award given by the Mathematics Department
 - Recognizes rare, outstanding work done by a graduate student as either a lecturer or coordinator

Certificate of Excellence in Teaching Won in 2016 and 2017
University of Florida

- Awarded by the Mathematics Department as one of their Graduate Teaching Awards
 - Awarded yearly to select graduate students. Recognizes exceptional work as a Teaching Assistant

REFERENCES

Michael T. Jury

Role: Associate Professor in the Mathematics Department at the University of Florida

Relationship: Advisor

E-mail: mjury@ufl.edu

Webpage: <https://people.clas.ufl.edu/mjury/>

Scott McCullough

Role: Professor in the Mathematics Department at the University of Florida

Relationship: Committee Member

E-mail: sam@ufl.edu

Webpage: <https://people.clas.ufl.edu/sam/>

Kwai-Lee Chui*

Role: Senior Lecturer and Coordinator for Calculus 2 at the University of Florida

Relationship: I was one of only two course lecturers for her Spring 2018 Calculus 2 course.

Additionally, I worked with her organizing and teaching Calculus 2 with standards based grading and flipped classroom structures for in Summer 2018

E-mail: chui@ufl.edu

Webpage: <https://people.clas.ufl.edu/chui/>

Michael Hull*

Role: Postdoctoral Associate in the Mathematics Department at the University of Florida

Relationship: I was a teaching assistant for his proof-based Linear Algebra course (MAS4105) in both Fall 2017 and Fall 2018

E-mail: mbhull@ufl.edu

Webpage: <https://people.clas.ufl.edu/mbhull/>

** Indicates a teaching reference*