

# Curriculum Vitae 2023

**Francesca Maria Keith, M.S.**

Lecturer of Mathematics

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## **Educational Background:**

2004-2006 M.S. in Applied Mathematics, University of Texas at San Antonio

2002-2003 B.S. in Applied Mathematics, University of Texas at San Antonio

2002-2003 Minor in Statistics, University of Texas at San Antonio

1983-1988 Aerospace Engineering , The University of Texas at Austin

## **Courses Taught**

Texas A&M University - San Antonio

Math 1314 College Algebra

Math 1324 Mathematics for Business and Social Sciences I

Math 1325 Mathematics for Business and Social Sciences II

Math 1342 Introductory Statistics

Math 1350 Fundamentals of Mathematics I

Math 1351 Fundamentals of Mathematics II

Math 2312 Pre - Calculus

Math 2313 Calculus I

Math 3301 Biostatistics

STEM 4101 Jaguar Tracks

## **Academic Positions:**

2017- present Lecturer, Department of Mathematics, Texas A&M University - San Antonio

2016 - 2017 Adjunct, Department of Mathematics, Texas A&M University - San Antonio

2013 - 2017 Adjunct, Department of Mathematics, Brown Mackie College

2006 - 2019 Adjunct, Department of Mathematics, Palo Alto Community College

2008 - 2012 Adjunct, Department of Mathematics, University of the Incarnate Word

2008 - 2019 Adjunct, Department of Mathematics, Wayland Baptist University

2007 Lecturer, Department of Mathematics, University of Texas at San Antonio

2007 summer Instructor for the Upward Bound Trio Program, University of Texas at San Antonio

2006 Adjunct, Department of Mathematics, Northwest Vista College

2004 Graduate research assistant for Dr. Betty Travis, Department of Mathematics, University of Texas at San Antonio

2003 - 2006 Teaching Assistant, University of Texas at San Antonio

2001 - 2003 Tutor, Tomas Rivera Center, University of Texas at San Antonio

### **Courses Taught:**

#### **University of Texas - San Antonio**

Developmental Mathematics

Intermediate Algebra

Calculus Labs for the Calculus I

#### **Tomas Rivera Center**

College Algebra

Trigonometry

Calculus

Physics

Chemistry

Statistics

#### **Northwest Vista Community College**

Business Calculus

Intermediate Algebra

#### **Palo Alto Community College**

College Algebra

Elementary Algebra

Intermediate Algebra

Math for Liberal Arts Majors

Precalculus

College Algebra for Scientists and Engineers

#### **University of the Incarnate Word**

Math 1304 College Algebra

Math 2303 Intro Prob & Statistics

**Brown Mackie College**

College Algebra

Statistics

Dosage Calculation

**Additional Skills:**

- Computer Programmer in Fortran 77, Pascal, C++, and Java

**Professional Organization:**

- Member of the American Mathematical Society

**Awards:**

- The Dean's List from 2000 - 2006
- The National Science Foundation Scholarship 2000 - 2003
- Nominated as one of the best instructors at *University of Texas at San Antonio* in 2005

**Service to the Department of Mathematics**

2018 - present Math Club advisor.

**Service to the College / University**

2021 - present Member of the Core Curriculum Committee

2017 - present Science Olympiad - Event Coordinator of the "We've Got Your Number" competition for Middle School and High School students

**Service to the Community**

2020 - Alamo Junior Academy of Science (AJAS) and the Alamo Regional Science and Engineering Fair (ARSEF)

2023 - Alamo Junior Academy of Science (AJAS) and the Alamo Regional Science and Engineering Fair (ARSEF)