Curriculum Vitae 2024
Francesca Maria Keith

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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

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
2005 Graduate Assistant for Dr. Manuel P. Berriozábal (Prepared his class notes using LaTex)
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 for Tomas Rivera Center, University of Texas at San Antonio

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 1332 Contemporary Math
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

Courses Taught:
University of Texas - San Antonio
Developmental Mathematics
Intermediate Algebra
Calculus Labs for the Calculus I

Courses Tutored:
Tomas Rivera Center:
College Algebra
Trigonometry
Calculus
Physics
Chemistry
Statistics

Courses Taught:
Northwest Vista Community College:
Business Calculus
Intermediate Algebra

Courses Taught:
Palo Alto Community College
College Algebra
Elementary Algebra
Intermediate Algebra
Math for Liberal Arts Majors
Precalculus
College Algebra for Scientists and Engineers

Courses Taught:
University of the Incarnate Word
Math 1304 College Algebra
Math 2303 Intro Prob & Statistics

Courses Taught:
Wayland Baptist University
Math 1304 College Algebra
Math 1306 Intro Prob & Statistics

Courses Taught:
Brown Mackie College
College Algebra
Statistics
Dosage Calculation

Additional Skills:

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

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 - 2024 Math Club advisor

Service to the College / University
2019 - 2021 Member of the Faculty Senate
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)

2023 summer - Site Coordinator for Dr. Manuel P. Berriozábal Pre-freshman Engineering Program (PREP) for UTSA

2024 summer - Site Coordinator for Dr. Manuel P. Berriozábal Pre-freshman Engineering Program (PREP) for UTSA

2024 Professional Development at Texas A&M University - San Antonio

- March 22 (Friday), 3:00 – 4:15 pm – Amber Sarker - Alternative Strategies for Student Assessment

- April 4 (Thursday), 3:00 – 4:15 pm - Lindsay Masters - Best Practices for Working with Neurodivergent Learners and Students with Learning Differences

- April 25 (Thursday), 3:00 – 4:15 pm – Matthew Schurmann and Erin Lunsford – Engaging Students in a Coordinated College Algebra Class for STEM Majors

- May 8 (Wednesday), 11:00 am – 12:15 pm – Priya Prasad and Jessica Gehrtz - Structured Collaboration for Instructional Improvement in College Algebra

A detailed list of all the courses I have taught at Texas A&M University - San Antonio

Fall 2024
MATH1314.07L 202510 (College Algebra CoReq Model) – 29 students
MATH0314.07L 202510 (Mathematics Support Course for MATH 1314) – 29 students
MATH1342.002 202510 (Introductory Statistics) – 32 students
MATH1042.002 202510 (Intro Statistics Recitation) – 32 students
MATH1342.02L 202510 (Introductory Statistics Coreq) – 20 students
MATH0342.02L 202510 (Mathematics Support Course for MATH 1342) – 20 students

Spring 2024
MATH1332.001 202420 (Contemporary Mathematics I) - 25 students
MATH1350.002 202420 (Fundamentals of Mathematics) - 29 students
MATH1042.001 202420 (Intro Statistics Recitation) - 27 students
MATH1014.002 202420 (College Algebra Recitation) - 15 students
MATH1332.01L 202420 (Contemporary Math CoReq) - 2 students
MATH0332.01L 202420 (MATH 1332 Support Course) - 2 students
MATH1350.001 202420 (Fundamentals of Mathematics I) - 13 students
MATH1014.001 202420 (College Algebra Recitation) - 30 students
MATH1014.600 202420 (College Algebra Recitation) - 30 students
MATH1342.001 202420 (Introductory Statistics) - 27 students
MATH1014.005 202420 (College Algebra Recitation) - 21 students

Fall 2023
MATH1350.600 202410 (Fundamentals of Mathematics I) - 36 students
MATH1042.002 202410 (Intro Statistics Recitation) - 37 students
MATH1042.003 202410 (Intro Statistics Recitation) - 29 students
MATH1342.003 202410 (Intro Statistics Recitation) - 29 students
MATH1342.002 202410 (Intro Statistics Recitation) - 37 students
MATH0324.01L 202410 (MATH 1324 Support Course) - 25 students
MATH1324.01L 202410:(Math for Bus/Soc Sci I Coreq) - 25 students

Spring 2023
MATH1342.003 202320 (Introductory Statistics) - 35 students
MATH1342.001 202320 (Introductory Statistics) – 30 students
MATH1314.005 202320 College Algebra – 30 students
MATH1324.001 202320: Math for Bus/Soc Sci I – 30 students
MATH1014.005 202320 College Algebra Recitation – 30 students
MATH1024.001 202320 Math Bus/Soc Sci I Recitation - 30 students
MATH1042.001 202320 (Introductory Statistics Recitation) – 30 students
MATH1042.003 202320 (Introductory Statistics Recitation) – 30 students

Fall 2022
MATH1314.600 202310 (College Algebra) – 29 students online
MATH1014.600 202310 (College Algebra Recitation) - 29 students online
MATH1314.009 202310 (College Algebra) – 31 students
MATH1014.009 202310 (College Algebra Recitation) - 31 students
MATH1314.008 202310 (College Algebra) – 31 students
MATH1342.004 202310 (Introductory Statistics) – 12 students
MATH1342.001 202310 (Introductory Statistics) – 15 students
MATH1342.003 202310 (Introductory Statistics) – 17 students
MATH1042.004 202310 (Intro Statistics Recitation) – 12 students

Spring 2022
MATH1314.600 202220 (College Algebra) – 23 students online
MATH1314.002 202220 (College Algebra) – 11 students
MATH1314.001 202220 (College Algebra) – 14 students
MATH1014.600 202220 (College Algebra Recitation) – 23 students online
MATH1014.002 202220 (College Algebra Recitation) – 11 students
MATH1014.001 202220 (College Algebra Recitation) – 14 students
MATH1024.600 202220 (Math Bus/Soc Sci I Recitation) – 13 students online
MATH1324.600 202220 (Math for Bus/Soc Sci I) – 13 students online

Fall 2021
MATH1314.604 202210 (College Algebra) – 29 students online
MATH1314.603 202210 (College Algebra) – 25 students online
MATH1314.600 202210 (College Algebra) - 21 students online
MATH1324.600 202210 (Math for Bus/Soc Sci I) – 23 students

Summer 2021
MATH2113.60L 202130 (Calculus I Lab) – 25 students online
MATH1014.61L 202130 (College Algebra Recitation) – 21 students online
MATH1014.60L 202130 (College Algebra Recitation) – 22 students online

Spring 2021
MATH2313.603 202120 (Calculus I) – 20 students online
MATH2113.62L 202120 (Calculus I Lab) – 20 students online
MATH1332.600 202120 (Contemporary Mathematics I) – 9 students online
STEM4101.602 202120 (Jaguar Tracks IV-Science/Math) – 19 students online
STEM4101.603 202120 (Jaguar Tracks IV-Science/Math) – 13 students online
MATH1014.605 202120 (College Algebra Recitation) – 18 students online

Fall 2020
MATH1314.021 202110 (College Algebra) – 8 students
MATH1314.604 202110 (College Algebra) – 24 students online
MATH1314.603 202110 (College Algebra) –14 students online
MATH1014.609 202110 (College Algebra Recitation) – 13 students online
MATH1014.019 202110 (College Algebra Recitation) – 11 students
MATH1014.603 202110 (College Algebra Recitation) – 24 students online
MATH1014.602 202110 (College Algebra Recitation) – 14 students online

Summer 2020
MATH1314.602 202030 (College Algebra) – 18 students
MATH1014.62L 202030 (College Algebra Recitation) - 18 students

Spring 2020
MATH3301.003 202020 (Biostatistics) – 35 students
MATH2313.002 202020 (Calculus I) – 22 students
MATH2113.002 202020 (Calculus I Lab) – 22 students
MATH1332.001 202020 (Contemporary Mathematics I) – 18 students
MATH1325.800 202020 (Math for Bus/Soc Sci II) – 11 students

Fall 2019
MATH1314.009 202010 (College Algebra) – 22 students
MATH1332.001 202010 (Contemporary Mathematics I) – 21 students
MATH1350.001 202010 (Fundamentals of Mathematics I) – 22 students
MATH1014.015 202010 (College Algebra Recitation) – 23 students
MATH1014.014 202010 (College Algebra Recitation) – 21 students
MATH1014.011 202010 (College Algebra Recitation) – 24 students
MATH1014.010 202010 (College Algebra Recitation) – 18 students
MATH1014.005 202010 (College Algebra Recitation) – 21 students

Spring 2019
MATH3301.003 201920 (Biostatistics) – 35 students
MATH1332.001 201920 (Contemporary Mathematics I) – 13 students
MATH1350.002 201920 (Fundamentals of Mathematics I) – 17 students
MATH1325.800 201920 (Math for Bus/Soc Sci II) – 22 students

Fall 2018
MATH2312.002 201910 (Pre-Calculus) – 23 students
MATH1350.001 201910 (Fundamentals of Mathematics I) – 22 students
MATH1350.002 201910 (Fundamentals of Mathematics I) – 20 students
MATH1014.014 201910 (College Algebra Recitation) – 23 students
MATH1014.010 201910 (College Algebra Recitation) – 18 students
MATH1014.007 201910 (College Algebra Recitation) – 22 students
MATH1014.006 201910 (College Algebra Recitation) – 12 students
MATH1024.800 201910 (Math Bus/Soc Sci I Recitation) – 10 students

Spring 2018
MATH2312.003 201820 (Pre-Calculus) – 18 students
MATH1350.001 201820 (Fundamentals of Mathematics I) – 24 students
MATH1014.005 201820 (College Algebra Recitation) – 20 students
MATH1025.001 201820 (Math Bus/Soc Sci II Recitation) – 20 students

Fall 2017
MATH3301.800 201810 (Biostatistics) - 21 students
MATH1014.012 201810 (College Algebra Recitation) – 21 students
MATH1014.007 201810 (College Algebra Recitation) – 22 students