

## Elizabeth Anne Doolittle

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### **Education**

- 1991 University of Arizona, Tucson. Master of Arts in Mathematics  
1988 California Lutheran University, Thousand Oaks. Bachelor of Science, Magna Cum Laude, in mathematics

### **Teaching Experience**

*Fall 2001 – present*

Senior Lecturer, Department of Mathematics and Computer Science, University of Redlands, Redlands, California

Responsibilities include primary lecturer, creating and grading tests, quizzes, and homework; holding office hours; developing new curriculum; supervising graders and tutors; administering placement exams, participating in departmental activities and committees; and attending conferences and workshops for professional development.

#### Classes Taught

Math 41	Math Analysis: Preparation for the Calculus
Math 001L/002L	Lab for basic math skills/Lab for Calculus Preparation
Math 100	Mathematics for the Liberal Arts
Math 101	Mathematics
Math 102	Explorations in Math for Educators including weekly Laboratory Component
Math 104	Mathematics for Elementary Teachers II
Math 170	Independent Study for Math 104
Math 170	Independent Study – Math Literacy
Math 118	Integrated Calculus 1
Math 119	Integrated Calculus 2
Math 121	Calculus I

*June 2014 – present*

Adjunct lecturer, School of Business, University of Redlands, Redlands, CA

Responsibilities include teaching, developing, and coordinating other adjuncts in on-line math course

#### Classes Taught

BUSB095	Beginning Algebra –traditional text and lecture format
BUSB095	Beginning Algebra – pilot ALEKS on-line format

*Fall 1996 – Spring 2001*

Instructor (Tenured), Department of Mathematics, Victor Valley College

Responsibilities included primary lecturer, creating and grading tests, quizzes, and homework; holding office hours, observing adjunct faculty; participating in campus-wide and departmental committees including honors, accreditation, commencement, hiring and tenure committees; participating in grant writing and implementation of new program; creating and modifying curriculum; and attending conferences and workshops for professional development. Tenured August 2000.

Classes Taught

Math 3	Intermediate Algebra
Math 4	Trigonometry
Math 5	College Algebra
Math 16	Pre-Calculus
Math 20	Elementary Statistics
Math 26B	Calculus II
Math 50	Elementary Algebra
Math 159	Pre-Algebra
Math 167	Basic Math Skills

*Summer 1994-Spring 1997*

Part-time Instructor, Department of Mathematics, San Bernardino Valley College and Crafton Hills College

Responsibilities included primary lecturer, grading, holding office hours, and the use of reformed course material, including the Harvard Calculus Consortium Text (CCH).

Classes Taught

Math 90	Beginning Algebra
Math 95	Intermediate Algebra
Math 250	Calculus I (Anton Text – traditional course)
Math 250	Calculus I (CCH Text – reformed course)
Math 251	Calculus II (Anton Text – traditional course)
Math 251	Calculus II (CCH Text – reformed course)

*Fall 1994-Fall 1996*

Part-time Instructor, Department of Mathematics, University of Redlands

Responsibilities included primary lecturer, grading, holding office hours, and the use of new reformed course material.

Classes Taught

Math 20/41	Pre-Calculus (Piloting a new reformed text)
Math 85(now 111)	Elementary Statistics
Math 106(now 122)	Calculus II (Piloting a new reformed text)

*Spring 1996*

Part-time Instructor, Department of Mathematics, Mt. San Jacinto College

Responsibilities included primary lecturer, grading, and holding office hours.

Classes Taught

Math 51	Pre-Algebra
Math 105	College Algebra

*Fall 1991-Spring 1994*

Adjunct Lecturer, Department of Mathematics, University of Arizona, Tucson, AZ

Responsibilities included primary lecturer, supervising Graduate Teaching Assistants, piloting and developing new course material with use of technology, tutoring undergraduate students, and advising incoming Freshman and Transfer students.

Classes Taught

Math 125B	Calculus II (CCH text)
Math 124	Calculus I (CCH text)
Math 123	Elements of Calculus
Math 120	Calculus Preparation
Math 119	Finite Mathematics
Math 117	College Algebra

*Fall 1988-Spring 1991*

Graduate Teaching Assistant, Department of Mathematics, University of Arizona, Tucson, AZ

Responsibilities included primary lecturer, algebra tutoring, test developing, grading, and assisting large lecture classes.

Classes Taught

Math 116	Introduction to College Algebra
Math 117	College Algebra
Math 118	Plane Trigonometry
Math 119	Finite Mathematics
Math 123	Elements of Calculus
Math 263	Statistical Methods in Biological Sciences

*Spring 1986 – Spring 1988*

Department Assistant, Department of Mathematics, California Lutheran University

Responsibilities included providing tutoring services for undergraduate math courses.

## **Presentations**

Faculty Development Conference – University of Redlands School of Business, Sept. 26, 2015.  
Introduced new on-line course using ALEKS to be adopted campus-wide in January 2016 in workshop.

Faculty Development Conference – University of Redlands School of Business, May 2, 2015. Co-presented workshop with J. Brandes about upcoming on-line course changes.

Mortar Board Professor of the Year Dinner – University of Redlands, March 16, 2011. “Math Going to the Dogs.”

American Association of University Women – STEM Conference for Eighth Grade Girls, Mt. San Jacinto College, Jan 12, 2017 with D. Garcia. “Fun With Math”.

American Association of University Women – Conference on Math and Science for Eighth Grade Girls, University of Redlands, January 1996-2003, 2005, February 2006, 2008, 2009, 2011, and 2017, March 2007, 2010, 2014, and 2016. Conducted motivational workshops entitled “Making the Most of My Day” for conferences through 2005 and conducted “Fun With Math” workshops about encouraging interest in mathematics in the conferences from 2006 to present using mathematical puzzles, activities, and games. Presented with J. Beery in 2000, 2001, 2002, 2003, 2007, 2008, 2010, 2011, 2012, 2013, 2016 and 2017. Presented with D. Garcia in 2005, 2009, 2010, 2011, 2014, 2015, and 2017.

Summer Bridge Program, University of Redlands, August 2004 and July 2005 - 2016 . Mathematics presentation describing courses and department. Also, administered math placement exam to participants in 2005 - 2016.

Admitted Student Day, University of Redlands, April 5, 2008 – Represented the Math Department with a power point presentation to interested math majors.

NCTM Western Regional Conference, Phoenix, AZ, October 1994. Assisted E. Toubassi , University of Arizona, in presenting “Preparing Students for Calculus: An Alternative Approach”.

## **Honors and Awards**

Honorary Alumnus, University of Redlands, April 2018.

University of Redlands, Faculty Review Committee Award for Outstanding Service, 2015-2016.

Golden Bone – Ultimate Sidekick Award, Athletics Department, University of Redlands, 2015

Mortar Board Professor of the Year, University of Redlands, 2011.

Golden Bone – Ultimate Sidekick Award, Athletics Department, University of Redlands, 2011

University of Redlands, Faculty Review Committee Award for Outstanding Teaching, 2006-2007.

Outstanding Teacher of the Year – Victor Valley College, July 29, 2000.

Departmental Honors, Department of Mathematics, California Lutheran University, 1987-1988.

Presidential Scholarship, California Lutheran University, 1984-1988.

Peterson Merit Award, California Lutheran University, 1985-1988.

Dean’s List, California Lutheran University, 1985-1988.

Valedictorian, Fillmore Unified High School, 1984.

## Current Memberships

Mathematical Association of America  
National Council of Teachers of Mathematics

## Workshops, Conferences and Seminars Attended

Siggraph Conference – Los Angeles Convention Center, Aug. 10, 2015. Attended workshop on helping students with careers in computer animation.

WebWorks Workshop – June 2014. Series of four weekly on-line workshops helping to develop problems using WebWorks.

RUSD Core Curriculum Forum –Mission Elementary School, Redlands, CA, Oct. 10/12, 2013. Seminar to introduce the Common Core Math Curriculum to community members and receive feedback.

MAA Southern Section Meetings at various locations including Scripps College, CSU San Bernardino, CSU Channel Islands, UNLV, San Diego University, Harvey Mudd College, Cal Tech, CSU Fullerton, UCLA, University of Redlands, and Pepperdine University.

AMS-MAA Joint National Meetings in San Diego, CA, 2008; Phoenix, AZ, 2004; New Orleans, LA, 2001; in San Diego, CA, 1997; and in San Francisco, CA, 1995.

Bubble Talk by Frank Morgan, at Harvey Mudd College, Oct. 7, 2005. (Encouraged eight students to attend.)

Mathematics of Calendars by Helmer Aslaksen, University of Redlands, Mar.7, 2005

PMET Workshop, Humbolt State University, Arcata, CA, June 21-25, 2005

NCTM Annual Conference, Anaheim, CA, April 2005. (Student Missy Coffey joined me one of the days. Deon Garcia joined me the other.)

Hentschke Seminar - Mathemagical Mysteries, by Joe Chavez, University of Redlands, Mar. 16, 2004

PMET Workshop, University of Nebraska, Lincoln, NE, June 1-8, 2003

Geometric Paper Folding, by Joyce Frost at CSU San Bernardino, Feb. 16, 2003. (Brought several Math for Educators students to the talk.)

Real Fun with Real Math for Teachers, by Bob Stein at Hentschke Hall, University of Redlands, December 2002.

Hentschke Seminar – Catalan Numbers, by Kendra Killpatrick, University of Redlands, November 2002.

Blackboard Instruction with Catherine Walker, University of Redlands, July 2002.

Mathematics and Art of M.C. Escher, by Doris Schattschneider, at Harvey Mudd College, March 2001. (Brought several University of Redlands students to the talk.)

CMC<sup>3</sup>-South annual and regional conferences in Costa Mesa, CA, 1998-2000, and at L.A. Pierce College, Glendale College, and Cerritos College.

Mathematics and Computer Science Department Hentschke Hall Seminar Series, University of Redlands, March and April 1997.

Community College Faculty-to-Faculty Conference, University of California Riverside, February 1996 and April 1998.

AMS Regional Meeting at Cal Tech, Pasadena, CA, November 1996.

NSF Calculus Reform Workshop – Ithaca College Group, University of Redlands, CA, June 1996  
Fourth Conference on the Teaching of Mathematics, San Jose, CA, June 1995.

CCH Single Variable Calculus Workshop, San Francisco, CA, January 1995.

NSF Calculus Reform Workshop – Calculus in Context Project, University of Redlands, CA, June 1994.

NSF Calculus Reform Workshop – Calculus in the Classroom: New Ideas, New Technologies, Mississippi State University, May 1994.

### **University and Community Service**

Mascot Handler, University of Redlands, August 2003 until November 2017.

Athletics photographer – University of Redlands. 2011 until present.

Women's Basketball Official Scorekeeper, University of Redlands, 1996-1997 season until present.

Women's Volleyball Official Scorekeeper – 1996 season and back-up as needed until present.

Petalpushers – Volunteer Rose Parade floral decorator, Pasadena, CA. December 2013, 2014, 2015, 2016, and 2017.

Mariposa Elementary School – May 2010: Taught a 5-week afterschool course for GATE students in Ancient Numeration Systems.

Mariposa Elementary School – October 2009 – 2011. Cross-country coach/manager for school.

Mariposa Elementary School – May 2009: Taught a 5-week afterschool course for GATE students in Cryptology.

Epworth Academy of Fine Arts – Set designer/teacher July 2009, Photographer/assistant dance teacher June 2008, Assistant set design teacher August 2007.

California Commission on Teacher Credentialing – June 2006: Reviewed the standards and contents of two institutions' proposals for a Single Subject waiver/program in Mathematics.

Whispering Winds flute ensemble – May 2006 – 2010.

NOVA team with D. Wacks, J. Blauth, E. Brubacher, S. de Bord, A. DeWeerd, B. Dwyer, and P. Chakrapani, University of Redlands, Fall 2002.

Sunday School Teacher – First and Second Grade Level at Redlands First United Methodist Church, Redlands, CA, September 2002 until 2010.

Vacation Bible School at RFUMC – Craft coordinator, Summer 2002 – 2008.

Phi Theta Kappa Advisor (Alpha Phi Gamma Chapter), Victor Valley College, Fall 1998 - Spring 2001. PTK is the community college equivalent to Phi Beta Kappa.

### **Additional Activities**

Bulldog Brewing - Make home-brewed beer with B. Aronsen and J. Bentley. Provided demo for Chemistry Club.

Summer Golf group – Athletics Department sponsored for any University employee in summer months.

Bulldog Bench Tournament – Regular participant for the last several years. Another great way to support Bulldog Athletics.

Presented Scotch tasting program for benefit dinner for Bonnes Meres organization in Redlands – March 2017