

## **Patricia Ann Rhodes Nicosia**

Chair, Department of Natural and Behavioral Sciences

Professor, Mathematics

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### **EDUCATION**

Ph.D., Mathematics Education, The University of Texas at Austin, Austin, Texas, 1990

M.S.E., Mathematics, University of Central Arkansas (UCA), Conway, Arkansas, 1982

B.S.E., Mathematics, University of Central Arkansas, Conway, Arkansas, 1979

### **PROFESSIONAL EXPERIENCE**

#### **PROFESSOR**

##### **Sul Ross State University Rio Grande College, Del Rio, Texas, August 2013-Present**

Mathematics 3301, Geometry

Mathematics 3302, Probability & Statistics I

Mathematics 3306, Special Topics, History of Mathematics

Mathematics 3308, Survey of Basic Math Theory I

Mathematics 3309, Survey of Basic Math Theory II

Mathematics 3310, Discrete Mathematics

Mathematics 4301, Modern Abstract Algebra

Mathematics 4304, Probability & Statistics II

Mathematics 4306, Seminar in Mathematics

Mathematics 5301, Special Topics, Historical Perspectives of Mathematics

Mathematics 5301, Special Topics, Applied Statistics

Mathematics 5307, Mathematics History

#### **ASSOCIATE PROFESSOR**

##### **Sul Ross State University Rio Grande College, Del Rio, Texas, August 2008-August 2013**

Mathematics 3301, Geometry

Mathematics 3302, Probability & Statistics I

Mathematics 3306, Special Topics, History of Mathematics

Mathematics 3308, Survey of Basic Math Theory I

Mathematics 3309, Survey of Basic Math Theory II

Mathematics 3310, Discrete Mathematics

Mathematics 4301, Modern Abstract Algebra  
Mathematics 4304, Probability & Statistics II  
Mathematics 4306, Seminar in Mathematics  
Mathematics 5301, Special Topics, Historical Perspectives of Mathematics  
Mathematics 5301, Special Topics, Applied Statistics

### **ASSISTANT PROFESSOR**

#### **Sul Ross State University Rio Grande College, Del Rio, Texas, August 2002-August 2008**

Mathematics 3301, Geometry  
Mathematics 3302, Probability & Statistics I  
Mathematics 3306, Special Topics, History of Mathematics  
Mathematics 3308, Survey of Basic Math Theory I  
Mathematics 3309, Survey of Basic Math Theory II  
Mathematics 3310, Discrete Mathematics  
Mathematics 4301, Modern Abstract Algebra  
Mathematics 4304, Probability & Statistics II  
Mathematics 4306, Seminar in Mathematics  
Mathematics 5301, Special Topics, Historical Perspectives of Mathematics  
Mathematics 5301, Special Topics, Applied Statistics

### **INSTRUCTOR**

#### **Sul Ross State University Rio Grande College, Del Rio, Texas, August 2001-May 2002**

Mathematics 3308, Survey of Basic Math Theory I  
Mathematics 4301, Modern Abstract Algebra  
Mathematics 3309, Survey of Basic Math Theory II  
Mathematics 3302, Probability & Statistics I

#### **Southwest Texas Junior College, Del Rio, Texas, January 2000-May 2001**

Mathematics 0301, Basic Mathematics  
Mathematics 0302, Elementary Algebra  
Mathematics 0303, Intermediate Algebra  
Mathematics 1314, College Algebra  
Mathematics 1332, College Mathematics

#### **Park University, Laughlin AFB, Texas, March 2000-December 2007**

Mathematics 105, Introduction to College Mathematics  
Mathematics 120, Basic Concepts of Statistics  
Mathematics 131, College Algebra

#### **University of Maryland University College, Yokota Air Base, Japan, September 1997-May 1999**

Mathematics 100, Transitional Mathematics  
Mathematics 101, Concepts of Modern Algebra  
Mathematics 107, Selected Topics in Algebra

**Vernon Regional Junior College, Sheppard Air Force Base, Texas, February 1992-May 1994**

Basic Arithmetic  
Business Mathematics  
Beginning Algebra  
Intermediate Algebra  
College Algebra  
Plane Trigonometry  
College Mathematics  
Statistics

**Southwest Texas Junior College, Del Rio, Texas, August 1986-August 1987**

Analytical Geometry  
Intermediate Algebra  
Trigonometry  
Business Mathematics

**The University of Texas at Austin, Austin, Texas, January 1985-August 1986**

Mathematics 316K, Modern Mathematics I  
Mathematics 316L, Modern Mathematics II  
Mathematics 305G, Elementary Functions and Coordinate Geometry  
Mathematics Education 370E, Elementary School Subject: Mathematics

**Austin Community College, Austin, Texas, August 1984-December 1984**

Intermediate Algebra

**Heber Springs Middle School, Heber Springs, Arkansas, September 1980-May 1984**

5<sup>th</sup>, 6<sup>th</sup>, 7<sup>th</sup>, and 8<sup>th</sup> Grades

## **PROFESSIONAL ASSOCIATIONS**

Pan American Roundtable, member, Del Rio, Texas, 2012-Present  
Pan American Roundtable Scholarship Committee, 2012-Present  
SFDRCSISD Science Fair, Judge, 2010-2013  
Relay for Life, Del Rio, Texas  
Order of the Eastern Star #440, Heber Springs, Arkansas  
Order of the Eastern Star, Cadron Chapter #581, Arkansas  
Member, Cleburne County Historical Society, Heber Springs, Arkansas  
National Council of Teachers of Mathematics (NCTM)  
Mathematical Association of America  
University of Central Arkansas Alumni Association  
Texas Exes, The University of Texas at Austin Alumni Association

**Sul Ross State University Rio Grande College memberships**

Chair, Department of Natural and Behavioral Sciences, 2011-Present

Sul Ross State University President Search Committee, Member, 2014  
 SRSU-RGC Dean Search Committee, Member, 2015  
 Mathematics Program Narrative and Assessment Methods, SACS Report  
 RGC New Student Orientation, Each August and January 2011-Present  
 Participant, Institute of Texan Cultures trip, April 20, 2012  
 Attended signing of Memorandum of Cooperation between RGC and SWTJC  
 Planned and attended collaborative joint luncheon event for SWTJC and RGC mathematics  
 faculty and guests, April 5, 2012 (Bluebonnet Room-Uvalde campus)  
 Committee Member, Master's in Education oral exam, March 22, 2012 and May 1, 2012  
 Capstone presentations for mathematics major committee member, April 30, 2012 and May 2,  
 2012  
 Faculty Senate President, 2008-2009  
 Vice-President Faculty Senate, 2006-2008  
 Faculty Senate Member, 2002 to Present  
 Commencement Marshall, December 2008 and May 2009  
 Faculty Marshall, December 2009 & May 2010  
 Student Marshall, May 2011  
 Undergraduate Admissions/Retention Council Member, 2003-2014  
 Disciplinary Hearing Committee, Member, 2009-2011  
 P-16 Mathematics Initiative Member, 2009  
 Mathematics Search Committee, Chair, 2009  
 Chemistry Search Committee, Member, 2009  
 Department of Liberal Arts, Tenure and Promotion Committee Member, 2008-2010  
 Faculty Senate Committee Member, Student Evaluation Form, 2005  
 MELL-Math Grant Steering Committee Member, 2004  
 TSUS Math Initiative Committee Member, 2004  
 Biology Search Committee Member, 2003  
 Research Enhancement Committee Member, 2002-2003  
 Faculty Enhancement Committee, Spring 2003  
 Pi Sigma Math Club, New Campus Organization, Sponsor, 2006 to Present  
 Pi Sigma Math Club, Organizer, Seminole Canyon State Park Trip, May 2011  
 Conducted Student Awards Ceremony, Pi Sigma Math Club officers, 2011-Present  
 Alpha Chi Honor Society, Sponsor, 2010-Present  
 Alpha Chi Initiation Ceremony Organizer, 2011-Present  
 Alpha Chi Honor Society, Co-Sponsor, 2007-Present  
 Authored SRSU-RGC Department Risk Assessment, 2015-2016  
 PPOHA Internal Monitoring Committee, Member, 2014-Present  
 PPOHA Scholarship Committee, Member, 2014-Present  
 Texas Council of Faculty Senates. Representative, Austin, Texas, 2007-2011  
 Texas State University System Council of Faculty Senates. Secretary, Austin, Texas, 2009-Present  
 SRSU-RGC representative at TSUS Council of Faculty Senates meetings spring and fall, 2009-Present

## **AWARDS AND HONORS**

Who's Who Among America's Teachers, 8<sup>th</sup> Edition  
 Who's Who Among America's Teachers, 9<sup>th</sup> Edition

Kappa Delta Phi, Honor Society in Education, The University of Texas at Austin  
Outstanding Student, College of Sciences and Humanities, University of Central Arkansas, 1979  
Outstanding Student, University of Central Arkansas, Conway, Arkansas, 1978  
Outstanding Young Woman of America, 1984  
President, University of Central Arkansas Alumni Association, 1984  
Young Career Woman, Heber Springs Business and Professional Women's Club, 1983  
Vice-President, University of Central Arkansas Alumni Association, 1983  
University of Central Arkansas Alumni Board of Directors, 1982  
Who's Who in American Universities, 1977 - 1980  
Dean's List, University of Central Arkansas, 1975 - 1980  
Alpha Chi Honor Society, University of Central Arkansas, 1978  
Valedictorian, Heber Springs High School, Heber Springs, Arkansas, 1976

## **PUBLICATIONS**

Nicosia, Patricia A. R. (1990) Method of Instruction and Mathematics Anxiety as Factors in the Problem Solving Instruction of Preservice Elementary Teachers. University of Texas Press.  
Nicosia, Patricia A. R. (1988). Review of *Towards a Good Beginning* by G. M. Burton. School Science and Mathematics, Volume 88, Number 1, January 1988.  
Rhodes Nicosia, P. (1987, January). *Mathematics Anxiety*. Texas Mathematics Teacher, p. 4.  
*MASTERING THE TEAMS: Modules for Independent Practice and Review*. Texas Educational Assessment of Minimum Skills (TEAMS) Mathematics Project, The University of Texas at Austin, Extension Instruction and Materials Center, Division of Continuing Education, Austin, Texas, June 1986-December 1986. (Consultant)  
Byxbe, F., Byxbe, D., Urbina, M., Nicosia, P. (2011, December). Prescription Drugs: Generation Rx in Crisis. *L.A.E. Journal*, pp. 34-36.  
Byxbe, F., Urbina, M., Nicosia, P. (2011, January). Community-Oriented Policing and Partnerships: A Recipe for Success! *Police Forum*. Volume 20, Number 1, pp. 4-16.  
Byxbe, F., Urbina, M., Nicosia, P. (2010, December). Community-Oriented Policing and Partnerships: A Recipe for Success! *L.A.E. Journal*, pp. 22-25.  
Byxbe, F., Nicosia, P., Wynne, W. (2006). Sexual Harassment: Crossing the Lines within the Ranks. *L.A.E. Journal*, pp. 21-24.

## **PROFESSIONAL PRESENTATIONS**

“Revitalize Your Instruction with Project-Based Learning.” Annual Conference for the Advancement of Mathematics Teaching, San Antonio, Texas, Jun 29-July 1, 2016.  
“Beauty Both Ancient and New: Geometry beyond Geometry.” Annual Conference for the Advancement of Mathematics Teaching, San Antonio, Texas, June 29-July 1, 2016.  
“Revitalize Your Instruction with Project-Based Learning.” Annual Conference for the Advancement of Mathematics Teaching, Houston, Texas, July 24-26, 2015.  
“Beauty Both Ancient and New: Geometry beyond Geometry.” Annual Conference for the Advancement of Mathematics Teaching, Houston, Texas, July 24-26, 2015.  
“Shapes, Fractions, Games...Oh My!” Annual Conference for the Advancement of Mathematics Teaching, Fort Worth, Texas, July 21-23, 2014.  
“Beauty Both Ancient and New: Geometry beyond Geometry.” Annual Conference for the Advancement of Mathematics Teaching, Fort Worth, Texas, July 21-23, 2014.

“Shapes, Fractions, Games...Oh My!” Annual Conference for the Advancement of Mathematics Teaching, San Antonio, Texas, July 10-12, 2013.

“Incredible, Insanely, Easy Integration (316).” Annual Conference for the Advancement of Mathematics Teaching, San Antonio, Texas, July 15-17, 2010.

“A Computer Aid to Visualizing Mathematical Concepts (797).” Annual Conference for the Advancement of Mathematics Teaching, San Antonio, Texas, July 15-17, 2010.

“Visualization of Concepts in the Mathematics Classroom (473S).” 56<sup>th</sup> Annual Conference for The Advancement of Mathematics Teaching, Houston, Texas, July 15-17, 2009.

“Visualization of Concepts in the Mathematics Classroom (508S).” 56<sup>th</sup> Annual Conference for The Advancement of Mathematics Teaching, Houston, Texas, July 15-17, 2009.

“Using the TI-73 and APPS to Teach Probability and Area Formulas.” Teachers Teaching with Technology Regional Conference, Hot Springs, Arkansas, January 29-31, 2009.

“Round and Round We Go: Developing Conceptual Understanding About Circles with Young Children (188E).” 55<sup>th</sup> Annual Conference for the Advancement of Mathematics Teaching, Dallas, Texas, 2008.

“Round and Round We Go: Developing Conceptual Understanding About Circles with Young Children (199E).” 55<sup>th</sup> Annual Conference for the Advancement of Mathematics Teaching, Dallas, Texas, 2008.

“Round and Round We Go: Developing Conceptual Understanding About Circles with Young Children (241E).” 55<sup>th</sup> Annual Conference for the Advancement of Mathematics Teaching, Dallas, Texas, 2008.

“Round and Round We Go: Developing Conceptual Understanding About Circles with Young Children (278E).” 55<sup>th</sup> Annual Conference for the Advancement of Mathematics Teaching, Dallas, Texas, 2008.

“Free Geometry Software (396S).” 55<sup>th</sup> Annual Conference for the Advancement of Mathematics Teaching, Dallas, Texas, 2008.

“Middle School Geometry on the TI-73” Teachers Teaching with Technology Regional Conference, Hot Springs, Arkansas, January 31-February 2, 2008.

“Round and Round We Go: Developing Conceptual Understanding About Circles with Young Children.” 2008 National Council of Teachers of Mathematics Annual Meeting, Salt Lake City, Utah, April 9-12, 2008.

“Using Interactive Geometry in Your Classroom (S67).” 54<sup>th</sup> Annual Conference for the Advancement of Mathematics Teaching, San Antonio, Texas, 2007.

“Using Interactive Geometry in Your Classroom (S173).” 54<sup>th</sup> Annual Conference for the Advancement of Mathematics Teaching, San Antonio, Texas, 2007.

“Using Interactive Software to Support Calculus (S18).” 54<sup>th</sup> Annual Conference for the Advancement of Mathematics Teaching, San Antonio, Texas, 2007.

“Techniques for Teaching Mathematical Problem Solving.” National Council of Teachers of Mathematics Regional Meeting, Little Rock, Arkansas, Spring 1987.

Session Presider, Lelon Capps-University of Kansas (204), 33<sup>rd</sup> Annual Conference for the Advancement of Mathematics Teaching, Austin, Texas, October 9-11, 1986.