

# DEBORAH J. BENNETT

50 Dey Street Suite 124  
Jersey City, NJ 07306  
(201) 360-2067

## EDUCATION:

Ph.D., Mathematics Education, New York University, 1993.

M.S., Operations Research, George Washington University, School of Engineering and Applied Science, 1980.

B.S., Mathematics, University of Alabama, 1972.

## EXPERIENCE:

Professor, Associate Professor, and Assistant Professor, New Jersey City University, Mathematics Department, Jersey City, NJ, 1993 to PRESENT. Concurrent appointment with Elementary and Secondary Education Department, 1999 to 2018. Teaching responsibilities include a broad spectrum of mathematics courses to majors and non-majors, undergraduates and graduates. Participation on campuswide committees and the University Senate Executive Committee as well as Departmental committees. Served as Vice President (2 terms) and President (2 terms) of the University Senate.

Assistant Professor and Instructor, State University of New York (SUNY) at Farmingdale, Mathematics Department, Farmingdale, NY, 1984 to 1993. Teaching responsibilities included basic math, algebra, statistics, finite math, pre-calculus, calculus, and differential equations to students in the Technologies, Business, and Liberal Arts. Departmental coordinator for Algebra courses as well as a member of Departmental committees and campus-level committees. Chair of the University Faculty Rules Committee and Faculty Calendar Committee. Officer in the campus Faculty Club for four years and University Club Executive Board member for two years. Consultant on a Tech Prep grant.

Adjunct Assistant Professor and Adjunct Instructor, Pace University, Mathematics Department, New York, NY, 1981 to 1987. Teaching responsibilities included statistics, calculus, finite mathematics, and algebra to students in Business curriculum. Responsible for student help clinics.

Independent Consultant, New York, NY, 1982 to 1984. As a consultant for the New York City Department of Finance, Bureau of Real Property Assessment, responsibilities included the development of statistical models to predict the market value for residential homes in Brooklyn, Queens, and Staten Island, assessment guidelines for commercial properties, project proposals, management tools, and evaluation reports for the Bureau.

Market Research Consultant, Monar Marketing, Inc., New York, NY, 1981 to 1982. As a consultant to one of the largest retail department stores, responsibilities included the design and programming of complex models to target customers of higher profit potential for direct-mail promotions.

Mathematics Teacher, US Peace Corps, Ghana Secondary School, Tamale, Ghana, West Africa, 1980 to 1981. Responsible for teaching mathematics at various grade levels in the British-structured school while living as a member of the local community.

Operations Research Analyst, US General Accounting Office, Technical Assistance Group, Washington, DC, 1975 to 1980. A systems analyst providing statistical analyses for GAO audits of many different Federal programs, the position required planning, implementing, and reporting evaluations, with focus on the applications of statistical and quantitative methods, such as sampling, correlation, analysis of variance, and regression analysis. I appeared on *60 Minutes* in this capacity.

Professional Staff Member, Institute for Defense Analysis, Arlington, VA, 1973 to 1975. Participation on multidisciplinary research teams performing broad analytical studies dealing with cost-quantity relationships, competition during reprocurement, equipment price comparisons, civil defense, and war-gaming models. Contributions included research, analysis, writing, and computer programming.

## DEBORAH J. BENNETT

### RECENT PUBLICATIONS:

- Bennett, D. J.** (2015). Origins of the Venn Diagram. In M. Zack and E. Landry (Eds.), *Research in History and Philosophy of Mathematics*. Proceedings of the Canadian Society of History and Philosophy of Mathematics, The CSHPM 2014 Annual Meeting in St. Catharines, Ontario. Birkhäuser.
- Bennett, D. J.** (2015). Drawing logical conclusions. *Math Horizons* (February): 12-15.
- Bennett, D. J.** (2013). Sticking to your guns: A flawed heuristic for probabilistic decision making. In E. Chernoff & B. Sriraman (Eds.), *Probabilistic Thinking: Presenting Plural Perspectives*. Springer.
- Bennett, D. J., & Fisch, A. A.** (2013). Infusing coteaching into the general education field experience. *Interdisciplinary Journal of Teaching and Learning* (Spring): 18-37.  
<http://www3.subr.edu/coejtl/files/Download/IJTL%20Vol.%203%2C%20No.%201%2C%20Spring%202013%20%28pp.%201-57%29.pdf>
- Fisch, A. A., & **Bennett, D. J.** (2011). Independence and interdependence: An analysis of pre-service candidates' use of focused assignments on an electronic discussion forum during the initial field experience. *Interdisciplinary Journal of Teaching and Learning 1* (Summer): 23-42.  
[http://www3.subr.edu/coejtl/files/Download/IJTL%20Vol.%201.%20No.%201.%20Summer%202011%20\(pp.%201-59\).pdf](http://www3.subr.edu/coejtl/files/Download/IJTL%20Vol.%201.%20No.%201.%20Summer%202011%20(pp.%201-59).pdf)
- Bennett, D. J.** (2011). Defining randomness. In P. Bandyopadhyay & M. Forster (Eds.), *Philosophy of Statistics: Vol. 7 Handbook of the Philosophy of Science* (pp. 633-639). Oxford: Elsevier.
- Bennett, D. J.** (2005). It all adds up. *NJCU. Gothic* 8(3): 13-15.
- Bennett, D. J.** (2004). *Logic Made Easy: How to Know When Language Deceives You*. W. W. Norton. Also published as *Logic Made Easy*. Penguin Books, UK. (2005). Translations in Japanese, Indonesian, Korean, and complex Chinese.
- Bennett, D. J.** (2002). She Teaches Math! *Women On Campus*. NJCU. (Fall 2001-Spring 2002).
- Bennett, D. J.** (2000). From Dissertation Hell to Harvard University Press. *The Academic Forum*, 8(2).
- Bennett, D. J.** (1998). *Randomness*. Harvard University Press. Translations in Spanish, Portuguese, Polish, Korean, Japanese, and Chinese (both complex and simplified characters).
- Aikey, P., **Bennett, D. J.**, & Guillen, J. (1997). *Algebra for ALL*. McGraw-Hill Co.
- Bennett, D. J.** (1996). Study Groups in Calculus. *The Academic Forum*, 4(2).

### SELECTED PRESENTATIONS:

- "Focus on STEM Teacher Recruitment: How can community colleges and four-year programs work together to increase the pipeline of STEM teachers?," panelist, Noyce Northeast Regional Dialogue at Montclair State University, June 12, 2017.
- "Venn-Euler-Leibniz Diagrams," Canadian Society for the History and Philosophy of Mathematics Annual Meeting at the Congress of the Humanities and Social Sciences, Brock University, St. Catharines, Ontario, May 24-27, 2014.
- "Venn-Euler-Leibniz Diagrams," Mathematical Association of America, New Jersey Section Meeting, Rowen University, Glassboro, NJ, Contributed Paper Session, April 5, 2014.
- "Venn/Euler/Leibniz Diagrams," American Mathematical Society Eastern Sectional Meeting, University of Maryland, Baltimore County, Contributed Paper Session, March 29-30, 2014.
- "Infusing Co-teaching into the General Education Field Experience," (with Audrey Fisch), International Association of Special Education, 13<sup>th</sup> Biennial Conference, Vancouver, British Columbia, Canada, July 10, 2013.
- "The Best of Both Worlds: Software to Help Bring the Classroom into Online Courses," (with Fran Moran), Center for Teaching and Learning, NJCU, February 3, 2011.
- "Using Blackboard and the Discussion Forum to Encourage Student Interaction during the Field Experience," (with Audrey Fisch), Center for Teaching and Learning, NJCU, October 12, 2010.
- "Making Logical Sense of Language," Mathematics Association of Two-Year Colleges in New Jersey (MATYCNJ), March 27, 2010.
- "Making Logical Sense of Language," Keynote, 2007 Crystal Ball User Conference, Denver, Colorado, May 22.
- "Applying the Visual, Verbal and Kinesthetic Modes of Perception to Interpretation of Graphs through the Calculator-based Laboratory and Graphing Calculator Technology," NJEDge 6<sup>th</sup> Annual Faculty to Faculty Best Practices Showcase, March 18, 2005.
- "Logic Made Easy," Smithsonian Institution Resident Associate Lecture Series, April 15, 2004.
- "Randomness," American Statistical Association (ASA), New York Chapter, May 19, 1999.
- "Assumptions of Randomness: Too Important to be Left to Chance," Institute for Operations Research and Management Science (INFORMS), New York Metro Chapter, November 18, 1998.

## DEBORAH J. BENNETT

### AWARDS/HONORS:

Honoree at the 2013 Women's History Month ceremony co-hosted by Hudson County Executive Thomas A. DeGise, the Hudson County Board of Chosen Freeholders, and the Hudson County Office of Cultural and Heritage Affairs/Tourism Department with the theme, "Women Inspiring Innovation Through Imagination."  
*Logic Made Easy*, "Outstanding Academic Titles," 2004 Choice Awards.  
Editorial Board, *Transformations: The Journal of Inclusive Scholarship and Pedagogy*, New Jersey Project, 2004-2006.  
Teacher Education Advisory Council (TEAC), College of Education, NJCU, 1999-2009.  
Referee/Reviewer, *Mathematics Teacher*, 1998-2017.  
Referee, *Journal of Economic Education*, 2003.  
Award of Appreciation, College of Arts and Sciences, NJCU, 2000.  
NJCU Arts and Sciences Faculty and Staff Recognition Award, 1994, 1996, 1998, 1999, and 2000.  
*Who's Who Among America's Teachers*, 1996.  
*Who's Who in American Education*, 1992-93.  
SUNY-Farmingdale University Club Certificate of Appreciation, 1992.  
Dr. Nuala McGann Drescher Affirmative Action Sabbatical Leave Program, 1989.  
Kappa Delta Pi (Education Honor Society), 1988.  
New Faculty Development Award, NYS/UUP Professional Development and Quality of Working Life Award, 1985.  
GAO Human Resources Division Certificate of Merit, 1981.  
Omega Rho (International Operations Research Honor Society), 1980.  
GAO Financial and General Management Studies Division Certificate of Appreciation, 1978.  
GAO Systems Analysis Program Award (Scholarship and Sabbatical), 1978.

### COURSES TAUGHT at NJCU since 1993:

#### Undergraduate:

EDU 331 Field Experience II (Junior Practicum)	MATH 165 Precalculus
EDU 2372 Secondary Methods of Teaching Math	MATH 166 Elementary Functions
EDU 480 Senior Internship (Student Teaching)	MATH 190 Calculus 1
CS 115 Microcomputers 1	MATH 191 Calculus 2
CS 202 Discrete Structures 1	MATH 192 Calculus and Analytic Geometry 1
HON 112 Honors Algebra	MATH 193 Calculus and Analytic Geometry 2
INTD 180 Computer Tools for Science and Math	MATH 205 Problem Solving
MATH 095 Basic College Math	MATH 295 Survey of Modern Mathematics
MATH 098 Algebra for College	MATH 311 Differential Equations for Engineers
MATH 102 Fundamentals of Math	MATH 330 Mathematical Statistics
MATH 112 Intermediate Algebra	MATH 331 Mathematical Statistics 2
MATH 1165 Precalculus (for Business)	MATH 495 Independent Study in Math (Calc 3)
MATH 140 Statistics I	

#### Graduate:

EDU 686 Advanced Curriculum Development in Math	MATH 527 Probability and Statistics
MATH 501 Math Content PRAXIS Review	MATH 572 Computers in the Classroom 2
MATH 510 Professionalized Subject Matter in Algebra	MATH 606 Survey of Modern Mathematics for Teachers
MATH 511 Professionalized Subject Matter in Middle School Mathematics	MATH 607 Mathematics in the Secondary School
MATH 514 Professionalized Subject Matter in Precalculus	MATH 609 Statistics for Classroom Teachers
MATH 515 Math Manipulatives 1	MATH 614 Calculus for Teachers 1
MATH 516 Math Manipulatives 2	MATH 615 Calculus for Teachers 2
MATH 518 Calculators in the Classroom 2	MATH 634 Professionalized Subject Matter in Discrete Mathematics
	MATH 660 Research Seminar in Mathematics

## **DEBORAH J. BENNETT**

### **WORK with STUDENTS**

Masters Thesis Advisor for: Saroosh Mohebi 1995; Roland Herrera 1996; Patricia Clark, Moses Msimanga, Nancy Mejia 1997; Andrea Emmanuel, John Rafaniello 1998; Tonia Slay-Daniels 1999; Robert Francin 2000; Lorenzo Robinson 2001; Jolanta Kochanowska, Cheryl McKay 2002; Blessing Ugochi Ugboaja Chimezie; Delores Molina; Maria Saco; Auria Torres 2003; Jonathan Flint 2004; Paraskevi Tentomas, Kristin Mongiello 2005; Mariana Hernandez 2006; Gicella Sanchez 2007; Walter Kaczetow 2009; Aminata Bamba, Michael Castillo 2010; Coshetty Vargas 2011; Marie Nashed 2013; Dagmar Cordano 2015; Tracy Goycochea, 2016.

#### **My students:**

Coshetty Vargas, 2014 Presidential Award for Excellence in Teaching Mathematics and Science recipient, 2016 NJEA Distinguished Education Alumni Award

Madelyn Leon, 2016 New Jersey Distinguished Clinical Intern Award recipient

Toni Ann Palmisano, 2017-18 Milken Educator Award recipient.

#### **Supervised student-teacher interns:**

Coshetty Vargas (Dickinson High School, JC), Spring 1998.  
Ahmed Abdelaziz (Dickinson High School, JC), Spring 1998.  
Auria Torres (Eastside High School, Newark), Fall 1998.  
Claudine Jones (Lincoln High School, JC), Fall 1998.  
Pamela Colon (Ferris High School, JC), Spring 1999.  
Irene Asirifi (Dickinson High School, JC), Spring 1999.  
James Cena (North Arlington High School), Spring 2000.  
Patrick Roda (Lincoln High School, JC), Spring 2000.  
Ryan Raparelli (Ferris High School, JC), Spring 2000.  
Ana Rivera (Dickinson High School, JC), Fall 2000.  
Hong Zhang (Bergen County Academics), Spring 2001.  
Naisha Andrews (1<sup>st</sup> grade, PS #11, JC), Spring 2002.  
Joseph Cordero (3<sup>rd</sup> grade, PS #11, JC), Spring 2002.  
Mary Ann Adams (5<sup>th</sup> grade, Huber Street School, Secaucus), Spring 2002.  
Paraskevi Tentomas (Dickinson High School, JC), Spring 2002.  
Erin Cerchio (Dickinson High School, JC), Spring 2002.  
Kevin McCahill (West Essex Regional High School, North Caldwell), Spring 2003.  
Dagmar Cordano (Secaucus High School), Spring 2003.  
Mariya Khan (Snyder High School, JC), Spring 2003.  
Christopher Kaczka (Emerson High School, UC), Fall 2003.  
Roxanne Abalos (Dickinson High School, JC), Spring 2004.  
Nihaya Khalil (Emerson High School, UC), Spring 2004.  
Theodore Holloway (Lincoln High School, JC), Spring 2004.  
Erica Legowski (Dickinson High School, JC), Spring 2004.  
Cindy Negrón (Dickinson High School, JC), Spring 2006.  
Sadiyyh Khalil (Dickinson High School, JC), Spring 2006.  
Ivan Ruiz (Morristown High School), Spring 2007.  
Jesse Dembowski (North Arlington High School), Spring 2007.  
Marlyn Ramirez (Ferris High School, JC), Fall 2007.  
Jessica Dawidowski (Dickinson High School, JC), Fall 2007.  
Juan Chen (MS #7 Franklin Williams, JC), Spring 2008.  
Amiee DeNeuf (Bayonne High School), Spring 2008.  
Hingrity Pereira (Bayonne High School), Spring 2008.  
Aisha Ahmad (Secaucus Middle School), Fall 2008.  
Abiodun Banner (Memorial High School, WNY), Fall 2010.  
Salma Bouazzaoui (Memorial High School, WNY), Fall 2010.  
Tracy Goycochea (Dickinson High School, JC), Spring 2011.  
Rolanda Terry (Ferris High School, JC), Spring 2012.  
Jacilia Otero (Memorial High School, WNY), Spring 2013.

**DEBORAH J. BENNETT**

**OTHER:**

Project Director and Principal Investigator, NSF Noyce Award #1557358, Recruiting and Preparing STEM Majors as Secondary Teachers for High-Need School Districts in New Jersey, 2016-2018.

Member, Partnership for Assessment of Readiness of College and Careers (PARCC) State Educator Content Review Committee for Mathematics, 2012-2015.

LSAT Logic and Language, Interview with John Richardson, April 2, 2013,

<http://www.blogtalkradio.com/lawschoolbound/2013/04/02/lsat-logic-and-language>

NJCU Presidential Search Committee, 2011.

NJCU Self Study Steering Committee, Co-chair of Working Group 6, 2008-2010.

University Senate President 2005-2009, Vice President 2001-2005, Senate Executive Committee 1997-2009.

LSAT Blog Interview with Steve Schwartz, March 20, 2009,

<http://lsatblog.blogspot.com/2009/03/logic-made-easy-book-bennett-interview.html>

Radio Interviews:

*What Were You Thinking? Are We Alone?* SETI Institute, October 20, 2008,

[http://podcast.seti.org/episodes/What\\_Were\\_You\\_Thinking](http://podcast.seti.org/episodes/What_Were_You_Thinking)

*The Tavis Smiley Show*, National Public Radio, April 22, 2004,

<http://www.npr.org/features/feature.php?wflid=1846833>

*Wordmaster*, Voice of America, April 22, 2004.

*Bill Thompson's Eye on Books*, Westwood One, 2004.

Grant Math Content Specialist: ITQ, PreK-2, 2003-06. SMART (Eisenhower), PreK-3, 2001-03.

Member: National Council of Teachers of Mathematics (NCTM), Mathematical Association of America (MAA),

Association of Mathematics Teacher Educators (AMTE), Association of Mathematics Teachers of New Jersey

(AMTNJ), New Jersey Association of Mathematics Teacher Educators (NJ AMTE), Hudson Area Math Alliance

(HAMA).

New Jersey Professional Service Provider #795.