

## FERNANDO BURGOS

Department of Mathematics and Statistics  
University of South Florida, CMC 342  
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### EDUCATION

- 1988      *Ph.D. in Mathematics*, Northeastern University, Boston, Massachusetts  
(Dissertation Title: *Inference After Selection: Unequal Scales and Other Results*)
- 1982      *M.S. in Mathematics*, National Polytechnic Institute of Mexico, Mexico  
(Area of Concentration: *Probability Theory*)
- 1980      *B.Sc. in Mathematics*, University of Yucatan, Mexico

### TEACHING EXPERIENCE

- 2021-2024      *Professor of Instruction*, University of South Florida, Tampa, FL
- 2017-2021      *Instructor of Mathematics (Level III)*, Univ of South Florida, Tampa, FL
- 2011-2017      *Senior Instructor of Mathematics (Level II)*, Univ of South Florida, Tampa, FL
- 2002-2011      *Instructor of Mathematics (Level I)*, University of South Florida, Tampa, FL
- 1997-2002      *Adjunct Instructor of Mathematics*, University of South Florida, Tampa, FL
- 2000-2001      *High School Math Teacher (Full-time, 1-year position)*, Sickles Sr. High, Tampa, FL
- 1994-1997      *Professor of Mathematics*, Math Department, University of Yucatan, Mexico
- 1988-1994      *Assistant Professor of Mathematics*, University of Southern Colorado (USC), Pueblo, CO
- 1984-1988      *Graduate Teaching Assistant*, Northeastern University, Boston, MA
- 1978-1980      *High School Math Teacher*, Prep School #2, Yucatan, Mexico

### PROFESSIONAL AND SERVICE ACTIVITIES

- 2022-2024      *USF Math/Stat Dept Advisory Committee*, USF Tampa, FL
- 2018-2020      *USF Math/Stat Dept. Scholarship Committee*, USF Tampa, FL
- 2011-2018      *USF Math/Stat Dept. Nagle Lecture Committee*, USF Tampa, FL
- 2003-2010      *USF Department of Math & Stat Undergraduate Advisor*, USF, Tampa, FL
- 2003-2024      *Florida Epsilon Chapter of Pi Mu Epsilon Faculty Advisor*, USF, Tampa, FL
- 2003-2024      *USF Student Chapter of the MAA Faculty Advisor*, USF, Tampa, FL
- 2003-2024      *USF Math Club Faculty Sponsor*, USF, Tampa, FL

- 2003-2024 *Hillsborough County Math Bowl (USF Coordinator)*, USF, Tampa, FL
- 2003-2011 *Math Department Undergraduate Committee*, USF, Tampa, FL
- 2003-2017 *Math Department Publicity Committee*, USF, Tampa, FL
- 2004-2007 *Finite Math Course Coordinator*, USF, Tampa, FL
- 2005-2007 *CAS Diversity Committee*, USF College of Arts & Sciences, Tampa, FL
- 1996 *Math Program Manager*, Math Department, University of Yucatan, Mexico
- 1994 *Math Week (Event Coordinator)*, Math Department, University of Yucatan, Mexico
- 1993 *Fermi Problems Competition (Event Coordinator)*, USA Science Olympiad, USC, Pueblo, CO
- 1992-1994 *Scholarly Activities Board (Chair)*, University of Southern Colorado, Pueblo, CO
- 1991-1994 *Grant Reviewer*, National Council of Science and Technology (CONACYT), Mexico
- 1988-1994 *Math Judge, High School Annual Math Bowl Competition*. USC, Pueblo, CO

### **PARTICIPATION IN MATH EDUCATION GRANTS**

- 2013-2016 Helped design and taught the first three versions of the course MAS 3205 Number Concepts Connections for pre-service middle school teachers in the USF College of Education Helios STEM Middle School Project.
- 2009-2010 Florida PROMiSE (Partnership to Rejuvenate and Optimize Mathematics and Science Education). Designed the Professional Development Module on Elementary Number Theory, and delivered the Number and Operations Module content to K-12 Florida Teachers in three two-week Summer Institutes in Lake Place, Florida, and Miami, Florida.
- 2007 Project ACE (Achievement through Content Expertise), a grant funded by the Florida Department of Education. Designed the Professional Development Module “Numbers and Operation”, trained facilitators, and helped deliver the module content to K-12 Florida Teachers in a two-week Summer Institute in Tampa, Florida.

### **PUBLISHED PAPERS**

Ruthmae Sears, Gladis Kersaint, Fernando Burgos & Rebecca Wooten (2019)  
Collaborative Effort to Develop Middle School Preservice Teachers’ Mathematical Knowledge,  
PRIMUS, 29:9, 965-981

### **RESEARCH INTERESTS**

Math Education, Ethnomathematics, History of Mathematics, Probability & Statistics

### **UNDERGRADUATE COURSES TAUGHT**

Spanish I, College Algebra, Precalculus Algebra and Trigonometry, Finite Mathematics, Math for the Liberal Arts, Introductory Statistics, Business Statistics, Introduction to Probability, Analysis of Variance, Life Sciences Calculus, Business Calculus, Engineering Calculus I, II, and III, Differential Equations, Discrete Mathematics, Linear Algebra, Number Concepts Connections, Geometry, Bridge to Abstract Mathematics, Early History of Mathematics (Undergraduate version)

### **GRADUATE COURSES TAUGHT**

Probability Theory, Mathematical Statistics, Early History of Mathematics (Graduate version)

### **LANGUAGES:**

English and Spanish: read, write, and speak

### **PROFESSIONAL MEMBERSHIPS**

Mathematical Association of America (MAA)