

January 2013

## VITA

### **Marla M. Bell, Ph.D**

Assistant Chair and Professor  
Department of Mathematics and Statistics  
Kennesaw State University

#### **Education:**

##### **Ph.D. Mathematical Sciences**

**Clemson University**, Clemson, South Carolina, December 1993

Dissertation: Priority and Vacation Queues with Markov Renewal Arrivals

Advisor: Peter C. Kiessler

##### **M.S. Mathematical Sciences**

**Clemson University**, Clemson, South Carolina, May 1989

Concentration: Statistics

M.S. Project: Regression Models for the Prevalence of Malaria in Gaarki, Nigeria

Advisor: Jerry Nedelman

##### **B.S. Mathematics**

**Western Carolina University**, Cullowhee, North Carolina, May 1986

Summa Cum Laude and University Scholar

#### **Administrative Experience**

**Kennesaw State University** (Kennesaw, GA).

October 2011-present

**College of Science and Mathematics Administrator for Academic Scheduling:** Responsible for administration of scheduling processes for the entire college. The College of Science and Mathematics is made up of four departments, two of which are among the top three credit hour producers in the university. Responsible for coordinating the space utilization of the units in the college and for negotiating shared space agreements with other colleges.

August 2004-present

**Assistant Chair of Department of Mathematics and Statistics:** Responsible for all course scheduling, course substitutions, hiring of adjunct faculty, miscellaneous day to day activities and contacts with students and faculty and sitting in for the chair when needed.

July 2003-July 2004

**Interim Department Chair: Department of Mathematics.** Responsible for second largest department on the campus with 40 full-time faculty and 40 part-time faculty at the time. Responsible for scheduling all classes, budgetary oversight of

the department, annual reviews for full-time faculty and 2 staff members, curricular oversight for 2 BS programs and strategic planning.

July 1998 – July 2003      **Assistant Chair of Department of Mathematics**, Responsible for all course scheduling, course substitutions, hiring of adjunct faculty, miscellaneous day to day activities and contacts with students and faculty and sitting in for the chair when needed.

### Teaching Experience:

2006-present	Professor Kennesaw State University Kennesaw, Georgia
2001-2006	Associate Professor Kennesaw State University Kennesaw, Georgia
1994-2001	Assistant Professor Kennesaw State University Kennesaw, Georgia
Spring 1994	Mathematics Lecturer Clemson University Clemson, South Carolina
1989 - 1990	Mathematics Tutor Science and Technology Entrance Program Clemson University Clemson, South Carolina
1986 -1993	Teaching Assistant Clemson University Clemson South Carolin

### Courses Taught:

Graduate Courses at Kennesaw State University  
 Set Theory (MATH 7700)  
 Statistics and Data Analysis (MATH 7713)  
 Statistical Methods (STAT 7100)  
 Applied Regression Analysis (STAT 8210)  
 Mathematical Statistics (STAT 7010)

#### Undergraduate Courses at Kennesaw State University

College Algebra  
 Precalculus  
 Calculus I, II and III  
 Linear Algebra  
 Elementary Statistics  
 Mathematical Modeling  
 Elementary Calculus with Applications  
 Pre-calculus-Transcendental Functions  
 Foundations of Mathematics/Mathematical Systems  
 Probability and Statistical Inference  
 Modern Regression Techniques and Diagnostics (Directed Study)  
 Introduction to Operations Research (Directed Study)  
 Advanced SPSS (Directed Study)  
 Computer Applications in Statistics  
 Statistical Methods II  
 Applied Regression Analysis  
 Critical Content of Early Childhood Mathematics I  
 Data Analysis and Probability for Teachers

#### Undergraduate Courses at Clemson University

Calculus I, II, and III  
 Introductory Statistics I and II  
 Statistics for Business Majors  
 Business Calculus II

### **HONORS AND AWARDS**

College of Science and Mathematics Nominee for KSU Distinguished Professor Award, 2012  
 Honored by Outstanding BS Mathematics graduate (John Jacobson) at  
 University Scholars Ceremony, 2012  
 Honored by Outstanding MS Applied Statistics graduate (Amanda Rollason) at  
 University Scholars Ceremony, 2012  
 Honored by two MS Applied Statistics graduates (Lauren Shaw and Nancy  
 Snaveley) upon graduation, 2010.  
 Nominated by Department for Distinguished Graduate Teaching Award, 2010.  
 Honored by two MAT graduates (Reena Mathur and Kenethia Zachary) upon  
 graduation, Summer 2009  
 WINGS Honoree (award from KSU Adult Learners Program) 2007  
 Profiled in Access Kennesaw Publication July 2005  
 Honored at Volunteer Kennesaw Luncheon April 20, 2005  
 In appreciation of contributions to volunteer activities on campus  
 Honored at 5<sup>th</sup> Annual Unsung Heroes Brunch 2004  
 In appreciation of contributions and support of adult learners  
 Nominated for College Distinguished Teaching Award 2001, 2002, and 2009  
 Nominated for College Distinguished Service Award 2002, 2003, 2004, 2008 and  
 2009

Nominated for College Distinguished Advising Award 2001

Nominated for University Teaching Award, 1996 and 1999

Nominated for University Service Award, 1998.

Invitation to Freshman 4.0 Luncheon, 1997.

Full-time freshmen students who earn a 4.0 GPA invite a professor whom they feel has contributed to their success.

National Federation of the Blind, Educator of Tomorrow Scholarship, 1992.

Awarded to a legally blind college student, who is planning a career as an educator, in recognition of extraordinary achievement and promise.

Faculty Award for Outstanding Teaching, Assistant, Clemson University Mathematical Sciences Department, 1992.

R.C. Edward's Graduate Alumni Fellowship, 1986-1987. Awarded to outstanding graduate students for scholarly potential and academic excellence.

## **SCHOLARSHIP**

### **Refereed Journal Articles**

J. Wickwire, R. Buresh, L. Tis, M. Collins, and M. Bell. "Comparison of an In-helmet Temperature Monitor System to Rectal Temperature during Exercise" *The Journal of Strength and Conditioning Research*, Spring 2012.

K. Kinnick, E. Holler, and M. Bell, "Assessing the Impact of Learning Communities as an Alternative Delivery Model for the Public Speaking Course" Volume 23 of the *Basic Communication Course Annual*. Spring 2011.

### **Submitted Journal Articles**

J. Wickwire, R. Buresh, L. Tis, M. Collins, and M. Bell. "Validation of an In-Helmet Temperature Monitor System"  
(submitted to the *International Journal of Sports Medicine* (March 2010))

J. Wickwire, R. Buresh, L. Tis, M. Collins, and M. Bell. "Validation of an In-Helmet Temperature Monitor System" (submitted to the *Journal of Science and Medicine in Sport* (October 2010))

### **Textbook Supplements**

*TI-83 Plus Companion to Elementary Statistics*, 9<sup>th</sup> Edition, published by Addison Wesley in 2003.

### **Conference Presentations**

Lawson ML, Bell M, Corey D. "Comparison of student outcomes in an undergraduate biostatistics course: online vs. face-to-face vs. hybrid." Oral presentation at the Joint Statistical Meetings, August, 2010, Vancouver, BC

Corey D, Bell M, Lawson M. "*Comparison of student experiences and perceptions in an undergraduate biostatistics course: online vs. face-to-face vs. hybrid.*" Oral presentation at the Joint Statistical Meetings, August, 2010, Vancouver, BC

J. Wickwire, R. Buresh, L. Tis, M. Collins, and M. Bell. "*Validation of an In-Helmet Temperature Monitor System*" Presented at the 2010 SEACSM Conference in Greenville, SC, Feb. 2010.

M. Bell. "*An Activity for Teaching Sampling Strategies in Statistics*" Presented at the Georgia Teachers' Conference, 2001.

M. Bell. "*Statnet: Infusing Presentation and Internet Technologies into Statistics*" Presented at Third Annual Valdosta State Technology Conference, 1999

M. Bell. "*Statnet: Infusing Presentation and Internet Technologies into Statistics*" Presented at 78<sup>th</sup> Annual Meeting of the Mathematical Association of America, Southeastern Section, 1999

### **Funded Grants**

Developing Materials for High School Mathematics I

PI: Wendy Sanchez

Co-PIs: Marian Fox, Barbara Ferguson, Marla Bell & Mary Garner

Agency: Georgia's Teacher Quality Higher Education Program

Amount Funded: \$49583.00

Dates: June 2006-May 2007

Math Science Partnership 3-5 and 8-9 for Paulding, Bartow, Bremen Counties and Cartersville City Schools.

Agency: NSF Math Science Partnership

PI: Marsha Shrago and Marsha Sanders'Leigh, CEISMC Georgia Institute of Technology

Co-PIs: Marla Bell and Mary Garner, Kennesaw State University

Dates: July 2007 – June 2009.

*StatNet: Infusing Presentation and Internet Technologies into Statistics.*

Agency: USG Board of Regents

PI: John Dyer

Co-PIs: Lewis VanBrackle and Marla Bell

Dates: July 1998 – June 1999.

### **Grants Submitted**

Co-PI (with Sanchez, Ferguson, Garner and Fox) on Teacher Quality grant entitled Developing Materials for High School Mathematics II and II. Submitted in 2007 for over \$100K. (not funded)

Co-PI on NSF STEP grant to help visually impaired students in the STEM disciplines. This grant had a budget of \$475,000. It was a collaborative effort with Georgia Tech. The PI was Dr. Pamilla Dembla from CSIS department at KSU. (not funded)

### **Statistical Consulting**

Consulted on research presented in the following poster (with acknowledgment) Chen J, Scott KV, Blasingame A, Braun J, Sellers HL, Brown TC. (2011) Deletion 13q14 in patients with chronic lymphocytic leukemia: Further prognostic implications. Poster presentation. 36th annual Association of Genetic Technologists meeting. J of AGT 37(3) Poster #1

Served as statistical consultant on dissertation of Dr. Donald L. Aerial submitted to The Wayne Huizenga Graduate School of Business and Entrepreneurship at Nova Southeastern University, anticipated defense in January 2005.

Served as statistical consultant on dissertation of Dr. John Yelvington (currently Program Coordinator and Asst. Prof. of Economics at Reinhardt College) submitted to The Wayne Huizenga Graduate School of Business and Entrepreneurship at Nova Southeastern University, and successfully defended in 2002.

### **Invited Panelist**

The Political Economy of Gender in Georgia: Exploring Pay Equity, Childcare and More, Part of Gender and Women's Studies Focus Week at Kennesaw State University, March 14, 2012.

KSU New Faculty Orientation Program on Promotion and Tenure, 2008.

### **Service Related to Scholarship**

As part of the KSU Diversity, Equity and Assessment Initiative, as a member of the Recruitment and Retention team (2006-2008), I completed (with Dr. Angela Teachey and Mr. Kenneth Bridges) a statistical study of data touching on equity and diversity issues for both faculty and staff. The report and related presentations show a snapshot of KSU in years 2001 and 2007 and analyzed pay, promotion and tenure trends by gender and race.

Conducted an *SPSS Drop-in* at the Center for Excellence in Teaching and Learning: Held on October 29 and November 05, 2004. Advised KSU faculty and graduate students on the use of SPSS as a tool for aiding their research.

Conducted an *SPSS Workshop* for Dr. David Martin's Graduate Education Research class. Held in March 2005.

Conducted an *SPSS Drop-in* at the Center for Excellence in Teaching and Learning. Held on October 01, 2005. Advised KSU faculty and graduate students on the use of SPSS as a tool for aiding their research.

## **SERVICE ACTIVITIES:**

### **Institutional Service**

#### **Departmental Service**

Author of Department Policies and Procedures Manual, 2012  
 Chair of Department Tenure and Promotion Committee, 2009-11  
 Chair of Search Committee to hire Chair of Mathematics and Statistics, 2008-09  
 Member of Mathematics Department Faculty Council 2006-Present  
 Member of Master in Applied Statistics program development committee 2004-05  
 Department Internship and Co-op Coordinator 2003-Present  
 Department Coordinator of College Orientation sessions 2003-2008  
 Chair of Lecturer Search Committee 2007, 2011, 2012  
 Co-author of new Math Department Promotion and Tenure Guidelines 2003, 2011  
 Chair of Statistician Search Committee 2001-02 and 2004-05  
 Member of Mathematics Education Committee 1998-2002  
 Member of Mathematics Education Search Committee 2000-01  
 Chair of the Mathematics Department Curriculum Committee, 1998-99  
 Co-developer of handbook for Mathematics majors, 1996  
 (edited for semester conversion 1997)  
 Co-chair of the Kennesaw State College High School Math Tournament Committee, 1995-96 and 1996-97.  
 Chair of the Departmental Recruitment and Outreach Committee, 1995-98.  
 Served on Departmental Promotion and Tenure Committee, 1997-98, 2010-11.  
 Co-advisor for the Kennesaw State College Student Chapter of the MAA, 1994-1996.  
 Served on Departmental Majors Committee, 1994-95 and 1997-98.  
 Served on Departmental Curriculum Committee, 1996-1997 and 2008-present.  
 Served as recruiter and organizer of student volunteers for Departmental Futurescape Committee, 1994-99.

#### **College of Science and Mathematics Service**

Member of CSM Dean Search Committee, 2011-12.  
 Chair of College Tenure and Promotion Committee 2002-03  
 Member of College Tenure and Promotion Committee 2001-02, 2007-09  
 Member of College Awards Committee 1997-99, 2006  
 Member of College-wide Futurescape Committee 2000-01

#### **University Service**

College of Science and Mathematics representative on President's Planning and Budget Advisory Committee, 2011-present

University Chairs' representative on Flex Scheduling Committee, 2011  
College of Science and Mathematics representative to Comprehensive Program Review Committee, 2010-present.  
Faculty Search Education College Representative 2009-present.  
Member of University Diversity and Equity Assessment Initiative, Recruitment and Retention Committee, 2007-08  
Member of Career Services Advisory Board 2001-02  
College representative on Undergraduate Policies and Curriculum Committee, 1996 -2000 and 2005-2007.  
Member of University Senate 2001-02  
Member of Library Committee, 1995-98.

### **Professional Service**

Reviewed Mario Triola;s Elementary Statistics 9<sup>th</sup> Ed. for Addison Wesley (2002)  
Member of Committee for Southeast Regional Conference on Differential Equations scheduled the talks, welcomed the guests and answered questions, 2003  
Reviewer of FIPSE first-round grant proposals, February 2001  
Managing editor of the Newsletter of the Southeastern Section of the Mathematical Association of America, 2001-02  
Member of Committee for Year 2000 International Conference on Dynamical Systems, Wrote the program and communicated with presenters around the world about said program, 1999-2000  
Final round judge for American Statistical Association's Undergraduate Data Analysis Contest, 1997-98.

**GRADUATE COURSE WORK:**

Graduate courses taken in Probability and Statistics include:

Probability Theory I and II	Nonparametric Statistics
Time Series	
Applied Multivariate Analysis	
Special Topics in Math.Statistics <sup>1</sup>	Mathematical Statistics
General Linear Hypothesis I and II	Data Analysis

Graduate courses taken in other areas of mathematics include:

Introduction to Stochastic Processes	
Mathematical Programming	
Stochastic Models in O. R. I and II	Network Flows
Advanced Linear Programming	Dynamical Systems
Matrix Analysis	Linear Analysis
Introduction to Scientific Computing	Combinatorics
Measure and Integration	Graph Theory

Seminar on Preparing for College Teaching in the Mathematical Sciences

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<sup>1</sup> Seminar course featuring visiting lecturers from universities across the nation.