

Amy Cantrell

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EDUCATION

1996-2001 Ph.D. in Statistics, University of Florida, Gainesville, Florida
1993-1995 M.S. in Mathematics, Winthrop University, Rock Hill, South Carolina
1989-1993 B.A. in Mathematics, Winthrop University, Rock Hill, South Carolina

POSITIONS HELD

2015- Present Clinical Associate Professor, Biostatistics, College of Public Health and Health Professions, College of Medicine, University of Florida, Gainesville, Florida, 0.80 FTE
2011-2015 Clinical Assistant Professor, Biostatistics, College of Public Health and Health Professions, College of Medicine, University of Florida, Gainesville, Florida, Full-time (2011-2014), 0.80 FTE (2014-2015)
2010 Clinical Assistant Professor, Epidemiology and Biostatistics, College of Public Health and Health Professions, University of Florida, Gainesville, Florida, Full-time
2008-2010 Research Assistant Professor, Epidemiology and Biostatistics, College of Public Health and Health Professions, University of Florida, Gainesville, Florida, Full-time
2003-2008 Associate Professor, Mathematics, Central Florida Community College, Ocala, Florida, Full-time
2000-2003 Assistant Professor, Mathematics, Central Florida Community College, Ocala, Florida, Full-time
1998-2000 Instructor, Mathematics, Central Florida Community College, Ocala, Florida Part-time, 20 hours per week
1999 Instructor, Statistics, University of Florida, Gainesville, Florida Part-time, 5 hours per week
1996-1997 Teaching Assistant, Statistics, University of Florida, Gainesville, Florida Part-time, 20 hours per week
1994-1996 Instructor, Mathematics, Central Piedmont Community College, Charlotte, North Carolina, Part-time, 15 hours per week

SELECTED COURSE MATERIAL DEVELOPMENT SPECIAL PROJECTS

<http://bolt.mph.ufl.edu/> Biostatistics Open Learning Textbook – Repository of content for blended courses
2016-Present MS Biostatistics Online Program Video Production
2013-Present Ongoing review and development of blended and online content for current courses
Spring 2016 Video production and assessment development for PHC 6053
Fall 2015 Updated all SAS tutorials for PHC 6052
Summer 2014 Finalize Blended Content for PHC 6055
2011-2013 First draft (HTML) and Second draft (WordPress) of open learning textbook
Summer 2011 Development of Sakai materials for SAS courses (PHC 6080 and PHC 6081)
Summer 2010 Development of materials for Survival Analysis (SAS programs, Presentations)
Summer 2010 Development of materials for PHC 6055 (Lecture Scripts and Assignments)
2009-2010 Developed personal website for course material distribution

COURSE ASSIGNMENTS

Semester	Course	Course Title (Credit Hours; Number of Students)
Spring 2016	PHC 6050	Statistical Methods for the Health Sciences I – Online (3; 74)
	PHC 6053	Regression Methods for the Health and Life Sciences (3; 52)
	PHC 6055	Biostatistical Computing Using R (1; 13)
	PHC 6080	SAS for Public Health Data (1; 15)
	PHC 6081	SAS for Public Health Analysis (1; 15)
Fall 2015	PHC 6052	Introduction to Biostatistical Methods (3; 66)
	PHC 6050	Statistical Methods for the Health Sciences I (3; 36)
	PHC 6055	Biostatistical Computing Using R (1; 12)
	PHC 6080	SAS for Public Health Data (1; 7)
	PHC 6081	SAS for Public Health Analysis (1; 7)
Spring 2015	PHC 6050	Statistical Methods for the Health Sciences I – Online (3; 67)
	PHC 6053	Regression Methods for the Health and Life Sciences (3; 42)
	PHC 6055	Biostatistical Computing Using R (1; 15)
	PHC 6080	SAS for Public Health Data (1; 16)
	PHC 6081	SAS for Public Health Analysis (1; 16)
	PHC 6946	Public Health Internship, Shiyao Gao
	PHC 6946	Public Health Internship, Yaqiong Zhu
Fall 2014	PHC 6052	Introduction to Biostatistical Methods (3; 54)
	PHC 6050	Statistical Methods for the Health Sciences I (3; 22)
Summer 2014	PHC 6055	Biostatistical Computing Using R (1; 11)
	PHC 6080	SAS for Public Health Data (1; 4)
	PHC 6081	SAS for Public Health Analysis (1; 4)
	GMS 7093	Introduction to Clinical/Translational Research {team taught course}
Spring 2014	PHC 6050	Statistical Methods for the Health Sciences I – Online (3; 71)
	PHC 6053	Regression Methods for the Health and Life Sciences (3; 48)
	PHC 6055	Biostatistical Computing Using R (1; 3)
	PHC 6080	SAS for Public Health Data (1; 6)
	PHC 6081	SAS for Public Health Analysis (1; 6)
	PHC 6946	Public Health Internship, Zhi Zhou
Fall 2013	PHC 6052	Introduction to Biostatistical Methods (3; 46)
	PHC 6050	Statistical Methods for the Health Sciences I (3; 59)
	PHC 6055	Biostatistical Computing Using R (1; 13)
	PHC 6080	SAS for Public Health Data (1; 7)
	PHC 6081	SAS for Public Health Analysis (1; 7)
	PHC 6946	Public Health Internship, Isaac Sia
Summer 2013	BOE Stats†	Board of Education Summer Program, Statistics Series (22 participants)
	GMS 7093	Introduction to Clinical/Translational Research {team taught course}
	PHC 6946	Public Health Internship, Emily Weeks
Spring 2013	PHC 6050	Statistical Methods for the Health Sciences I – Online (3; 83)
	PHC 6053	Regression Methods for the Health and Life Sciences (3; 45)
	PHC 6055	Biostatistical Computing Using R (1; 5)
	PHC 6080	SAS for Public Health Data (1; 7)
	PHC 6081	SAS for Public Health Analysis (1; 7)
	PHC 6937*	Applied Survival Analysis, Ind. Study: Emily Weeks (3; 1)
	PHC 6946	Public Health Internship, Karishma Chhabria

Fall 2012	PHC 6052 PHC 6050 PHC 6055 PHC 6080 PHC 6081 PHC 6937*	Introduction to Biostatistical Methods (3; 36) Statistical Methods for the Health Sciences I (3; 55) Biostatistical Computing Using R (1; 9) SAS for Public Health Data (1; 14) SAS for Public Health Analysis (1; 13) Applied Survival Analysis, Ind. Study: Karishma Chhabria (3; 1)
Summer 2012	BOE Stats† PHC 6055 PHC 6080 PHC 6081	Board of Education Summer Program, Statistics Series (25 participants) Biostatistical Computing Using R (1; 15) SAS for Public Health Data (1; 12) SAS for Public Health Analysis (1; 11)
Spring 2012	PHC 6052 PHC 6050 PHC 6053 GMS 6862 † PHC 6946	Introduction to Biostatistical Methods (3; 7) Statistical Methods for the Health Sciences I – Online (3; 98) Regression Methods for the Health and Life Sciences (3; 27) Applied Biostats II (3, 10) Public Health Internship, Reshmi Pal
Fall 2011	PHC 6052 PHC 6055 PHC 6080 PHC 6081 PHC 6937*	Introduction to Biostatistical Methods (3; 38) Biostatistical Computing Using R (1; 9) SAS for Public Health Data (1; 9) SAS for Public Health Analysis (1; 9) Applied Survival Analysis (3; 31)
Summer 2011	BOE Stats † STA 6167 † PHC 6080* PHC 6081* PHC 6946	Board of Education Summer Program, Statistics Series (41 participants) Statistical Methods in Research II (3; 22) SAS for Public Health Data (1; 8) SAS for Public Health Analysis (1; 7) Public Health Internship, Stefania Mondello
Spring 2011	PHC 6052 PHC 7066 PHC 6053 PHC 6905 PHC 6905	Introduction to Biostatistical Methods (3; 10) Large Sample Theory (3; 4) Regression Methods for the Health and Life Sciences (3; 29) Steve Smith, Ind. Study: Advanced Statistical Programming (3) Stefania Mondello, Ind. Study: Instructional Methods in Biostatistics (3)
Fall 2010	PHC 6052 PHC 6937 * PHC 6937* PHC 6937* PHC 6937 * HSA 7979	Introduction to Biostatistical Methods (3; 33) Biostatistical Computing Using R (1; 5) SAS for Public Health Data (1; 12) SAS for Public Health Analysis (1; 12) Applied Survival Analysis {cross-listed as STA 4712} (3; 33) Advanced Research, Evelyn King-Marhall, PhD Student BSCH
Summer 2010	Ind. Study	Zhuangyu Cai, PhD Student Biostatistics (Survival Analysis)
Spring 2010	PHC 6052 PHC 7066 PHC 6937 * PHC 6937* PHC 6937* HSC 3057 GMS 6190	Introduction to Biostatistical Methods (3; 9) Large Sample Theory (3; 1) Biostatistical Computing Using R (1; 8) SAS for Public Health Data (1; 10) SAS for Public Health Analysis (1; 10) Research Methods and Issues in Health Science {team taught course} Seminar {team taught course}
Fall 2009	PHC 6052 PHC 6937* PHC 6937* PHC 6937*	Introduction to Biostatistical Methods (3; 38) SAS for Public Health Data (1; 15) SAS for Public Health Analysis (1; 14) Applied Survival Analysis (3; 4)

Spring 2009	PHC 6937*	Statistical Methods for Research I (3; 10)
	PHC 7066	Large Sample Theory (3; 3)
	PHC 6937*	SAS for Public Health Data (1; 3)
	PHC 6937*	SAS for Public Health Analysis (1; 3)
	GMS 6190	Seminar {team taught course}
Fall 2008	PHC 6937*	Statistical Methods for Research I (3; 14)
	PHC 6937*	Applied Survival Analysis (3; 11)

Bold course numbers indicate new course or significant course material revision

*PHC 6937 is used for special topics courses and new courses awaiting assignment of official course numbers.

†Additional compensated position appointment

STUDENT ADVISING AND COMMITTEES

2015-2016	Advisor MPH Advisor MPH Reviewer, MPH	Xiangqi Kong Yichen Pan MPH Student Special Projects (Fall, Spring)
2014-2015	Advisor & Chair, MPH Advisor & Chair, MPH Reviewer, MPH	Shiyao Gao Yaqiong Zhu MPH Student Special Projects (Fall, Spring)
2013-2014	Advisor & Chair, MPH Advisor & Chair, MPH Advisor & Chair, MPH Advisor, MPH Advisor, MPH Advisor, MPH Reviewer, MPH	Emily Weeks Isaac Sia Zhi Zhou Shiyao Gao Yaqiong Zhu Matthew Prebble MPH Student Special Projects (Fall, Spring, Summer)
2012-2013	Member, PhD Committee Advisor & Chair, MPH Advisor, MPH Advisor, MPH Advisor, MPH Member, MS Reviewer, MPH	Zhulin He Karishma Chhabria Isaac Sia Emily Weeks Zhi Zhou Zhuangyu Cai MPH Student Special Projects (Fall, Spring, Summer)
2011-2012	Member, PhD Committee Member, PhD Committee Chair, MPH Advisor & Chair, MS Advisor, MPH Advisor, MPH Reviewer, MPH	Yuan Liang Zhulin He Reshmi Pal Si Chen Karishma Chhabria Isaac Sia MPH Student Special Projects (Fall, Spring, Summer)
2010-2011	Member, PhD Committee Member, PhD Committee Advisor & Chair, MPH Advisor, MS Reviewer, MPH	Yuan Liang Zhulin He Stefania Mondello Si Chen MPH Student Special Projects (Fall, Spring, Summer)
2009-2010	Member, PhD Committee Member, PhD Committee Advisor, MS Advisor, MPH Reviewer, MPH	Yuan Liang Chad Dante Neilsen Si Chen Stefania Mondello MPH Student Special Projects (Fall, Spring, Summer)

2008-2009 Reviewer, MPH MPH Student Special Projects (Fall, Spring, Summer)

RESEARCH & CONSULTING EXPERIENCE

2013-2014 Consultant to students on various projects: Alberto Ortega, Moise Ngwa, Larry Burrell II, April Morrissett, Jennifer Kidd, Gina Martorana, Anna Corona, Adam McCollum, Richard Barrett, Ashley Coatsworth, Cilia Zayas, Brook Eckman, Lara Esin, Stacey Griner, Cornesia Mitchel, Rhianna Reed, Denny Fe Agana, Micah Johnson.

Summer 2013 Consultant to Jessica Rowland, EGH PhD student, University of Florida
Consultation regarding sensitivity analysis

Spring 2013 Consultant to Marissa Valentine, Christina Popescu, Catherine Birch, Christian Ochonma, Stefani Nixon, students, University of Florida.

Fall 2012 Consultant to Rud Nast and Ali Fulcher, students, University of Florida.

Summer 2012 Consultant to Julie Merten, MSH, Instructor & Internship Coordinator, Brooks College of Health, University of North Florida, Jacksonville FL.
Consultation regarding survey project "Our Campus, Our Health: A Campus Health Assessment"

Spring 2012 Consultant to Nicole Kay, MPH Candidate (Epidemiology), University of Florida
Consultation regarding SAS for internship

Spring 2012 Consultant to Nicholas Myers, CALS student (Animal Science), University of Florida.

Fall 2011 Consultant to Christian Christensen, student, University of Florida.

2011-2012 Consultant to Isaac Sia, Ph.D. student (Rehabilitation Science), University of Florida.

2011-2012 Consultant to Nicole Tester, PhD, post-doctoral fellow, Veterans Affairs Brain Rehabilitation Research Center, Gainesville FL.
Consultation regarding data analysis for manuscript for publication

2011-2012 Statistician for Matthew Ryan, PhD, MD, Department of Emergency Medicine, University of Florida.
Continuation of data analysis on ER grant "The Prevalence of Obesity in Emergency Medicine"

Spring 2011 Consultant to Kelly Magliocca, D.D.S., Oral Pathology Student, College of Dentistry University of Florida.
Statistical consulting and editing regarding manuscript presenting survey data analysis

Spring 2011 Consultant to Tamar Carter, PhD candidate, MPH candidate, University of Florida.
Additional analysis on ER grant "The Prevalence of Obesity in Emergency Medicine"

Fall 2010 Statistician for Matthew Ryan, PhD, MD, Department of Emergency Medicine, University of Florida.
Initial data analysis on ER grant "The Prevalence of Obesity in Emergency Medicine"

Summer 2010 Consultant to Bryan Smallwood, MPH Candidate (Epidemiology), University of Florida.
Consultation regarding SAS for work on a NASA hearing conservation program

Summer 2010 Consultant to Jessica Noggle, Research Fellow, Division of Sleep Medicine, Brigham & Women's Hospital, Harvard Medical School
Data analysis for research grant on the benefits of yoga in schools

April 2010 Consultant to Steve Smith, PharmD and Postdoctoral Fellow, Family Medicine, University of Florida.
Consultation regarding data analysis for a study regarding blood pressure medication

- April 2010 Consultant to Nanny Winslow, DVM, PhD candidate, College of Veterinary Medicine, University of Florida.
Consultation regarding data collection plan for study of RNA degradation in postmortem tissue samples in dogs and horses
- April 2010 Consultant to Nicole Tester, PhD, post-doctoral fellow, Veterans Affairs Brain Rehabilitation Research Center, Gainesville FL.
Consultation regarding data analysis for manuscript for publication
- February 2010 Consultant to Donna Carden, MD, Professor, Department of Emergency Medicine, University of Florida.
Power calculations and assistance regarding pilot study
- Fall 2009 Consultant to Matthew Ryan, PhD, MD, Department of Emergency Medicine, University of Florida.
Power calculations and assistance regarding survey small grant proposal
- Summer 2009 Consultant to Kelly Cottrell, D.D.S., Oral Pathology Student, College of Dentistry University of Florida.
Statistical assistance regarding survey data analysis
- 2008-2009 Consultant to Veronica Santillan, Graduate Student in Biological Engineering, University of Florida.
Statistical assistance regarding data on leaf wetness in citrus trees
- 2002-2003 Consultant for Kimley Horn, Ocala, Florida
Statistical assistance regarding an Impact Fee study for Marion County, Florida
- 2001-2002 Consultant to Dr. Paul Rucinski, Ocala, Florida
Statistical assistance regarding research on a wound treatment
- 2000-2003 Consultant for Central Florida Community College, Ocala, Florida
Analysis of student evaluations
Database design for comment cards for President's Office
- 2000-2003 Consultant for Nursing Department, Central Florida Community College, Ocala, Florida
Research to determine new entrance requirements and grading scales designed to increase success rate of students accepted
- 1997-1999 Research Assistant for Institute of Food & Agricultural Sciences, University of Florida, Gainesville, Florida
Data management and statistical analysis; Florida Institute of Phosphate Research
Statistical Consulting; Institute of Food & Agricultural Sciences
- 1993-1996 Research Assistant for the Office of Assessment, Winthrop University, Rock Hill, South Carolina
Data entry, data management, and statistical analysis for a variety of student surveys
Collaborative work with the School of Business at Winthrop University
- 1995 Assistant Consultant to Dr. Jim Bentley, Winthrop University
Research on appropriate statistical methods to accurately assess leakage in underground liquid storage containers

REFEREED PUBLICATIONS

Stefania Mondello (g), **Amy Cantrell**, Domenico Italiano, Vincenzo Fodale, Patrizia Mondello, Darwin Ang, Complications of Trauma Patients Admitted to the ICU in Level I Academic Trauma Centers in the United States, BioMed Research International (Accepted).

Nicole J. Tester, Hugues Barbeau, Dena R. Howland, **Amy Cantrell**, Andrea L. Behrman, Arm and leg coordination during treadmill walking in individuals with motor incomplete spinal cord injury: A preliminary study, *Gait & Posture* 36 (2012), 49-55.

N. Tester, D. Howland, K. Day, S. Suter, **A. Cantrell**, & A. Behrman, Device use, locomotor training, and the presence of arm swing during treadmill walking post-spinal cord injury, *Spinal Cord* 49 (2011), 451-456.

A. Cantrell & A. Rosalsky, On the Relationship Between Some of the Ordonez Cabrera-Volodin and the Cantrell-Rosalsky Strong Laws of Large Numbers for Banach Space Valued Summands, *Stochastic Analysis & Applications* 29 (2011), 444-451.

A. Cantrell & A. Rosalsky, A Strong Law for Compactly Uniformly Integrable Sequences of Independent Random Elements in Banach Spaces, *Bulletin of the Institute of Mathematics Academia Sinica* 32 (2004), 15-34.

A. Cantrell & A. Rosalsky, Some Strong Laws of Large Numbers for Banach Space Valued Summands Irrespective of Their Joint Distributions, *Stochastic Analysis & Applications* 21 (2003), 75-95.

A. Cantrell & A. Rosalsky, On the Strong Law of Large Numbers for Sums of Independent Banach Space Valued Random Elements, *Stochastic Analysis & Applications* 20 (2002), 731-753

HONORS & AWARDS

2015-2016	MPH Faculty Excellence Award
2013-2014	MPH Faculty Excellence Award
2013	PHHP 2013 Superior Accomplishment Award Winner
2012	Faculty Inductee, Delta Omega (Beta Upsilon Chapter).
2010-2011	MPH Faculty Excellence Award
2003	CFCC Award for Innovative Excellence in Teaching, Learning, & Technology
2002	Who's Who Among America's Teachers

PRESENTATIONS & WORKSHOPS

February 2014	Invited Talk, Reflections on Blended Learning . Annual meeting of the Florida Chapter of the American Statistical Association.
July 2013	Guest Lecture – ICTR Course – Statistics and Software for Researchers
Summer 2013	Board of Education Summer Program Statistics Component – 6 week seminar series
Spring 2013	PHHP General Faculty Meeting – Report from Blended Learning Taskforce
Summer 2012	Board of Education Summer Program Statistics Component – 6 week seminar series
Summer 2011	Board of Education Summer Program Statistics Component – 6 week seminar series
Summer 2010	Presenter, PHHP Grant Workgroup, <i>Introduction to PROC POWER in SAS</i> .
Spring 2009, 2010	Guest Lecture: GMS 6190 Advanced Post Graduate Program In Clinical Investigation (APPCI) seminar. " <i>Survey of Statistical Software Packages: SAS</i> ."
2002-2005	Presenter, Dreamweaver workshops for CFCC faculty through the Professional Development Center
2003	Presenter, 14th Annual International Conference on College Teaching & Learning, Jacksonville, Florida
1999	Presenter, Short course on multiple regression and multicollinearity through the Institute of Food & Agricultural Sciences, University of Florida

COMMITTEE AND TASKFORCE ASSIGNMENTS

Spring 2016	Staff Council Working Group
2014-Present	PHHP Faculty Council
2013-Present	Biostatistics Recruitment Committee, Department of Biostatistics
2013-Present	Biostatistics Public Relations Committee, Department of Biostatistics
2013-Present	Blended Learning Taskforce, PHHP
2015-Present	Public Health Executive Committee, PHHP (invited as MPH core course instructor)
2011-2015	Public Health Executive Committee, PHHP
2011-2014	Epidemiology Curriculum Committee, Department of Epidemiology
2011-2013	Biostatistics Curriculum Committee, Department of Biostatistics
2011-2012	MPH Concentration Coordinators Sub-committee
2010-2013	IT Committee, PHHP
July 2010	Epidemiology Search Committee
2010-2011	Chair, Financial Aid and Scholarship Committee, PHHP
2008-2010	Financial Aid and Scholarship Committee, PHHP
2004-2008	Advisory Board Member, Faculty Senate, CFCC
2006-2007	Member, Sustainability Task Force, CFCC
2004-2005	Member, Sick Leave Pool Committee, CFCC
2003-2005	Member, Teaching & Learning Institute Committee, CFCC
2001-2002	Member, Technology Committee, CFCC

SERVICE & LEADERSHIP

2012- Present	Assist staff in developing the Biostatistics Department website in WordPress
2011-Present	Member, Data Safety Monitoring Board, <i>Central Mechanisms of Body Based Intervention for Musculoskeletal Low Back Pain</i> , PI: Mark Bishop.
Fall 2015	Marshal, UF Commencement
2011-2014	MPH Concentration Coordinator - Biostatistics
2012-2013	Delta Omega - Beta Upsilon Officer (Faculty Representative)
2010-2012	Marshal, UF Commencement
Fall 2011	Assisted staff in developing brochure for the Biostatistics Department
2003-2007	Advisor, Physics, Calculus, & Engineering Club at CFCC
2000-2003	Designer, Project to create departmental and faculty web pages for the Liberal Arts & Sciences Division at CFCC
2000-2005	Volunteer, coordinating tutors and operations in the CFCC Math Lab and coordinating activities related to Math Awareness Month
1992-1993	Coordinator, Winthrop University Model United Nations
1991-1992	Volunteer, Winthrop University Model United Nations

NATIONAL & INTERNATIONAL SERVICE ACTIVITIES

Spring 2010 Reviewer of submitted text in Biostatistics, Springer.
Fall 2010 Reviewer of text in press, *Biostatistics: An Applied Introduction for the Public Health Practitioner!* Delmar Cengage Learning

GRANTS

2010 UF Internal Grant: “The Prevalence of Obesity in Emergency Medicine.” PI M Ryan, PhD, MD. Personal involvement: statistical analysis (\$1000). Award: \$10,000 total.