Scott E. Rimbey

Education

1978-1984	Univ. of California, Los Angeles (UCLA)	Ph.D., Applied Math
1975-1978	Florida State Univ.	M.S., Applied Math
1972-1975	Univ. of South Florida	B.A., Math & Physics (Magna Cum Laude)

Employment History

- **Instructor and Associate Chair**, Univ. of South Florida, Aug. 2016 – present
- **Instructor,** Univ. of South Florida, Aug. 2009 – Aug. 2016.
- **Instructor and Associate Chair**, Univ. of South Florida, Aug. 2002 – Aug. 2009.
- **Instructor**, Univ. of South Florida, Aug. 2000 – Aug. 2002.
- **Assessment Specialist,** Educational Testing Service, Princeton, NJ, 1997 - 2000.
- **Visiting Assistant Professor,** Univ. of Delaware, 1995 – 1997.
- **Member of Technical Staff,** Rocketdyne Division, Rockwell Corp., 1987 – 1995.
- **Assistant Professor,** Univ. of Virginia, 1984 – 1987.

Teaching

Curriculum Development

- Created two new upper-level undergraduate courses: a second semester course in Numerical Analysis and a one-semester course in Optimization.
- Acted as course coordinator for each of the following lower-level courses: Math for Liberal Arts, Finite Math, College Algebra, Precalculus. Responsibilities included disseminating course information and writing the common final exam. For Precalculus, duties also included writing four common midterm exams.
- Assisted with establishing College Algebra and Precalculus as SMART Lab courses.
- Taught (in Spring 2014, 2015, and 2016) a new course, Algebra Connections, as part of the Helios project (a grant-funded program that prepares teachers to instruct middle school math students).
- Developed online sections of Business Calculus and Life Science Calculus I.

Courses taught

- Lower-Level: Math for Liberal Arts, Finite Math, College Algebra, Precalculus, Business Calculus (both face-to-face and online), Life Science Calculus I (both face-to-face and online), Calculus I, Calculus II, Calculus III

- Upper-Level: Numerical Analysis I, Numerical Analysis II, Optimization

Classroom Technology

- Numerous courses have been taught in a mass lecture format, thus making use of the data projector, the document camera, and classroom response systems (clickers).
- Course management system (first Blackboard and now Canvas) is used in all courses to disseminate course notes, post announcements and grades, etc.
- Online homework (MyMathLab, MathXL, Webassign) is used in any course for which it is available.

Administration

The following are the duties performed as associate chair:

- Set up departmental course schedules in USF's Banner system.
- Supervised advising for math and statistics advisors and answered questions about undergraduate courses.
- Assigned duties and supervised the work performance of the math/statistics graduate teaching assistants.
- Hired and supervised the work performance of adjuncts teaching math and statistics courses.
- Acted as department intermediary for student concerns regarding courses and/or instructors.

Service

University of South Florida Department, College, and University Service

- Member of Departmental Math Undergraduate Committee, 2001-2007 and 2015-present. (Chair from 2002-2007 and 2015-2016)
- Member of Departmental Computer Committee, 2007-2008. Revised department website.
- Member of ad hoc College Committee for Student Grievances, 2008-2010.
- Member of College Undergraduate Committee, 2006-2010. (Chair from 2007-2008 and 2009-2010.)
- Chair of Undergraduate Committee for School of Natural Sciences and Mathematics, 2008-2009.
- Undergraduate Advisor for Math and Statistics majors, 2001-2009.
- Assessment Coordinator of FKL courses that have been certified for Mathematics and Quantitative Reasoning, 2009-2010 and 2011-2012.

- Evaluator of math courses from transfer universities (to determine appropriate USF equivalencies), 2010-2011.
- Member of General Education Council, 2011-present. (Chair from 2014-2016)
- Member of USF Faculty Senate, 2011-present (currently serving as Sergeant-at-Arms).

Other Service

- Chair of committee for development of CLEP College Algebra exam (2002-2010).
- Member of the Executive Committee of USF's Chapter 126 of the Honor Society of Phi Kappa Phi. (President, 2008-2010.)

Publications

- "Sonic and Subsonic Axisymmetric Nozzle Flows" L. P. Cook, E. Newman, S. Rimbey, G. Schleiniger. SIAM Journal of Applied Mathematics, vol. 59 (5), pp. 1812-1824.
- "Computation of an Axisymmetric Nozzle Flow" L. P. Cook, E. Newman, S. Rimbey, G. Schleiniger. *Frontiers of Computational Fluid Dynamics 1998*, edited by D. A. Caughey and M. M. Hafez, World Scientific.
- "Two-Dimensional Transonic Jet Flow: Small Disturbance Theory" S. E. Rimbey. *Mathematics is for Solving Problems: In Honor of Julian Cole on his 70th Birthday*, edited by L. Pamela Cook, Victor Roytburd, and Marshall Tulin (1996).

Professional Memberships

I am a member of the Society for Industrial and Applied Math (SIAM), the American Mathematical Society (AMS), and the Mathematical Association of America (MAA).