

Patrick Carmichael

Education

August 2004 - May 2006

University of Florida - *M.S. Mathematics*

August 2000 - May 2004

University of North Carolina, Chapel Hill - *B.S. Mathematics*

Experience

March 2014 - August 2019

Santa Fe College - *Math Studio Coordinator*

Upon returning to the Coordinator position, my responsibilities were expanded significantly. I still perform the same duties I listed below, but I also have taken on more supervisory roles in the department. For two years I was departmental coordinator for both Intermediate Algebra and College Algebra. Today my focus is managing and developing the Intermediate Algebra course. My most recent achievement is the move away from a publisher-created course materials. Since Fall 2017, all content for the course is delivered via open-source platforms. This approach was originally intended only for on-campus sections but has been adopted by online instructors as well.

August 2012 - March 2014

Santa Fe College - *Interim Director, Title III Math Redesign*

Santa Fe's Title III grant was scheduled to last until August 2013; however, the director was required to retire in 2012 per state law. I was appointed the Interim Director for the remainder of the grant. My responsibilities included ensuring that grant objectives (success rates, implementation timetables) were met, collecting and analyzing data on redesign effectiveness, communicating with Department of Education officials, and managing grant-funded employees. Ultimately, the college asked for an extension of the grant until March 2014 at which point I resumed my previous duties as Math Studio Coordinator. Since the end of the grant, nearly all sections of Intermediate and College Algebra are run in redesigned formats.

August 2009 - August 2012

Santa Fe College – *Math Studio Coordinator*

At the end of my interim year I applied for a grant-funded position as coordinator of a new math computer lab, called the Math Studio. The lab was constructed as part of a Title III grant to redesign the department's algebra courses. As one of the early hires, I helped in the course design for Intermediate Algebra, the primary course for the Math Studio. This course is run in an emporium style, with students spending some time in the classroom and some time in the lab each week. In addition to hiring and managing a tutoring staff, I helped supervise adjunct instructors and maintained the online materials for the course. My responsibilities increased over time until I managed the course shells for all Math Studio courses, including developmental courses and Intermediate Algebra.

August 2008 - August 2009

Santa Fe College – *Interim Assistant Professor, Mathematics*

In 2008 I was offered an interim full-time teaching position at Santa Fe. This included teaching 15 credit hours per semester, holding office hours, and serving on various committees. During this time, I participated in an early pilot of the emporium-style course that would eventually be adopted as part of a Title III grant. The department was unable to make a permanent hire at the end of the year due to a college-wide hiring freeze.

March 2006 - August 2008

Santa Fe College – *Adjunct Assistant Instructor, Mathematics*

As I was finishing my Master's degree, I was contacted by the department chair of Santa Fe College and offered an adjunct position. After obtaining my degree, I continued to teach several classes each semester. During this time I taught courses from Intermediate Algebra to Calculus II

May 2006 - August 2008

University of Florida – *Adjunct Assistant Instructor, Mathematics*

After completing my master's, I continued to teach courses for UF periodically, including Calculus III and a 130-student section of Calculus II.

May 2004 - August 2006

University of Florida – *Graduate Teaching Assistant, Mathematics*

I worked as a TA and instructor while obtaining my degree. My primary course was Precalculus, with and without Trigonometry.

Skills

Extensive experience with online math education systems like MyOpenMath, MyMathLab, and WebAssign. Some experience with C++, Java, MATLAB, Maple, and SQL.