

TEACHING EXPERIENCE

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TEACHING EXPERIENCE

My teaching experience started in Brazil in 1995. This was the year that I entered the university as an undergraduate student and I was hired as a math high-school teacher to prepare students for the state and national Math Olympiads. It was a great and challenging experience since the duties involved were not only to teach some advanced math but also to select and motivate talented students to face the competition.

Some years later, in the Spring of 2002, I lectured the discipline of Functional Analysis in the graduate program at Universidade Federal do Ceará in Brazil. Around the same period, I was hired as a lecturer by Lourenço Filho College (in Brazil), where I was in charge of the courses of Linear Algebra and Algebraic Structures for students majoring in computer science and business/marketing. This was my first experience as a primary instructor at the college level and also a very good professional experience in terms of teaching since I had to handle big classrooms (around 70-80 students).

In the Fall 2002, I came to the USA to start my Ph.D studies in Mathematics at the University of Texas at Austin. During my second year, I took a mandatory course for new T.As in the math department called Supervised Teaching in Mathematics. The purpose of the course was to develop strategies to improve teaching skills. This class included panel discussions and teaching evaluations. It was a great source of experiences and an opportunity to become more acquainted with the teaching of Mathematics.

During the period I was a graduate student at UT-Austin, I worked as a T.A for many courses in undergraduate and graduate level. They were: Real Analysis I and II, Calculus II, Ordinary Differential Equations, Methods of Applied Mathematics (graduate course), Partial Differential Equations II (graduate course), Linear Algebra and Matrix Computations. I taught also many topics during my time as graduate student in the Analysis / Partial Differential Equations seminar for the research group of Prof. Luis Caffarelli.

In August 2007, I started my position as Visiting Assistant Professor in the math department at the University of Iowa. My teaching load is three courses per academic year. In the last two years and a half, I taught courses as a primary instructor in undergraduate and graduate level in Mathematics. They were: Calculus I, Calculus II, Vector Calculus, Ordinary Differential Equations, Fully Nonlinear Elliptic Equations (graduate course), Free Boundary Problems (graduate course). I lectured and helped organize the PDE and Fourier Analysis seminar. I have also helped mentoring some graduate students in research during this period.

Additional information about my teaching can be found at my webpage address given above.

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