

VIGRE Report – Spring 2005

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Progress on dissertation research and talks given

While receiving VIGRE funding during the Spring 2005 semester, I completed the sequence of core courses. I will take my PhD core qualifying exam for the first time in August of 2005. VIGRE funding has allowed me to focus on learning the fundamentals of Applied Mathematics taught in the core courses, thereby helping me to prepare to take the exam at the end of the summer.

Courses taken

I completed the following 9 credits during the Fall of 2004.

MATH527B Principles of Analysis

grade: A

MATH583B Principles and Methods of Applied Mathematics

grade: B

ECE569 High-Performance Computing

grade: A

Vertical integration activities

Inspired in part by the ideal of “Vertical Integration” in Mathematics, I have developed a relationship with City High School, a new charter school in downtown Tucson. Starting in August of 2004 and continuing through May 2005, I made myself available for a minimum of one hour each week as a math tutor for struggling students. From this experience I gained insight into Math Education at the high school level, as well as experience teaching the subject.