

Philip Bergonio

Department of Mathematics
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Education

Philosophy Degree Candidate in Mathematics Education, University of Georgia

Master of Arts in Mathematics, University of Georgia, December 2007

Bachelor of Science in Mathematics, Georgia Southwestern State University, August 1999

Computer Skills

Proficient in HTML, Well versed in C++, L^AT_EX, Maple. Some experience with Gap, Geometer's Sketchpad, Java, Magma, WebAssign, and WebWorK.

Employment, University of Georgia

Faculty: Instructor

August 2007 to Present

Primary instructor for Pre-Calculus, Differential Calculus (Terminal), and Differential Calculus (for Science Majors).

Math 1113	Pre-Calculus	Fall '07, Spring '08, Fall '09
Math 2200	Calculus I	Fall '08, Spring '09
Math 2250	Calculus I	Summer '08

Staff: Pre-Calculus Testing Coordinator

August 2008 to Present

Responsible for scheduling and administering the exams for all sections of Pre-Calculus. The job also entails hiring and working with student proctors, interfacing with the Disability Resource Center of the University, as well as administering makeup exams on a person by person basis.

Graduate Assistant: Primary Instructor

August 2004 to June 2007

Responsible for creating and presenting class lectures. I wrote and graded my own quizzes for both Pre-Calculus and Calculus and I also wrote and graded my own homeworks, tests, and finals for Calculus.

Math 1113	Pre-Calculus	Fall '04, Fall '05
Math 2200	Calculus I	Spring '06, Summer '06, Summer '07

Graduate Assistant: Lab Instructor

August 2004 to May 2007

Taught weekly Calculus "Labs", which involved calculus based projects using Maple. Responsibilities included giving short lectures, helping the students with calculus background, Maple "troubleshooting", and grading student projects.

Math 2200L	Calculus I Lab	Fall '04 to Fall '06
Math 2210L	Calculus II Lab	Spring '07

Graduate Assistant: Study Hall Tutor*Fall 2006*

Staffed Math Department's study hall where students go for help in a broad range of math levels, from Pre-Calculus (Math 1113) to Multivariable Calculus (Math 2700).

Employment: Athens Technical College

Adjunct Instructor*August 2007 to May 2008*

Was the primary instructor for four different math classes. Athens Technical operates under the quarter system. The starred classes below indicate that the class was taught at Athens Tech's Monroe, GA branch. The students I taught at that branch were high school college prep track students.

Math 191	College Algebra	Summer '07*, Fall '07 to Spring '08
Math 193	College Trigonometry	Fall '07*, Winter '08
Math 198	Elementary Statistics	Fall '07

Employment, Georgia Southwestern State University

College Tutor*2000 to 2003*

Member of the university's tutoring staff that provided assistance to students. Classes tutored ranged from University Math (Math 0099) to Modern Algebra I (Math 4000). I also tutored for Introduction to Programming (CSCI 1301) which used C⁺⁺.

Other Employment

Private Mathematics Tutor*2005 to 2007*

Private mathematics tutor for various undergraduate math courses.

Research Experience

VIGRE*2003 to 2005*

Member of the Algebra VIGRE Research group from Fall 2003 to Fall 2005. Our group published three papers as well as a software package. The group was led by Dr. Daniel Nakano. The publications were as follows:

- *Varieties for Nilpotent Matrices over Simple Lie Algebras I: Good Primes*, J. Algebra 280, (2004), 719-737.
- *Varieties for Nilpotent Matrices over Simple Lie Algebras II: Bad Primes*, J. Algebra 292, (2005), 65-99.
- *Support Varieties for Weyl Modules over Bad Primes*, J. Algebra 312, (2007), 602-633.

Academic Memberships

American Mathematical Society*2003 to Present***Mathematical Association of America***2003 to Present*

Awards and Seminars

Wiley Seminar: Where Faculty Connect

February 2009

Sponsored by Wiley and Sons, I attended a faculty gathering of Pre-Calculus instructors nationwide. The Wiley publishers, as well as Dr. Sheldon Axler presided over the seminar, which was held in Las Vegas, NV.

VIGRE Assistantship

2003 to 2005

Received VIGRE scholarship, which is funded by the NSF. I received this assistantship in Fall 2003, Spring 2004, Summer 2004, and Summer 2005.

Dean's List

2000 to 2002

Achieved Dean's List recognition for the Spring 2000, Fall 2001, and Fall 2002 semesters at Georgia Southwestern State University with semester GPAs of 3.81, 3.66, and 3.83 respectively.

Highest Achievement in Mathematics

December 2003

Georgia Southwestern State University honor awarded to the top graduating student for a mathematics major.