

Phil Bergonio

Curriculum Vitae



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EDUCATION

- 2003 – 2007 **Master of Arts**
Mathematics
University of Georgia
- 1999 – 2003 **Bachelor of Science**
Mathematics
Georgia Southwestern State University

ACADEMIC WORK EXPERIENCE

University of Georgia: Instructor.

Aug 2008 – Current

I have served as the primary Instructor of record. Classes taught:

Math 1060	Mathematical Decision Making
Math 1101	Mathematical Modeling
Math 1113	Pre-Calculus
Math 1113E	Online Pre-Calculus
Math 2110	Advanced Calculus for Ag/Econ Majors
Math 2200	Business Calculus
Math 2250	Calculus I for Science Majors

Advanced Placement: Test Grader.

June 2017 – Current

I have been responsible for grading free-response submissions for AP Calculus.

Pearson Higher Ed: WebWorkCoder.

May 2011 – Dec 2011

I was responsible for coding, proofreading, upgrading, and error checking the Math 2250 and Math 2260 WebWork home-work database for the University of Georgia.

Athens Technical College: Adjunct Instructor.

Aug 2007 – May 2008

I served as the primary Instructor of record. Classes taught:

Math 191	College Algebra
Math 193	College Trigonometry
Math 198	Elementary Statistics

MASTER THESIS

Schwarz-Christoffel Transformations. This was completed July 2007 under the direction of Dr. Edward Azoff.

RESEARCH EXPERIENCE

I was a member of the Algebra VIGRE Research group: Fall 2003 to Fall 2005. Our group published three papers as well as a software package. The group was led by Dr. Daniel Nakano, Dr. Benson, and Dr. Boe. 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.

DEPARTMENTAL CONTRIBUTIONS

WebWork Content Developer.

Aug 2008 — May 2018

I began by creating courses for instructors using existing templates. I was then hired by Pearson to code book problems into our database. The problems that were on file had to be updated, and most of the Current database had to be newly created. Thus nearly all WebWork problems for Math 2250 and Math 2260 are self-coded by me.

I have also created homework set templates for Math 2110 (Advanced Calculus) and Math 2200 (Calculus I for Business Majors).

WebAssign Content Developer.

Jun 2017 — Current

As an ongoing project, I have coded hundreds of questions on WebAssign for use in Math 1060, Math 1101, Math 1113E, Math 2200, and Math 2250. While they are mostly for personal use in my classes, I do share them with others to use as needed.

Math 1113 Testing Coordinator.

Aug 2008 — May 2017

I was responsible for overseeing all computerized testing for Pre-Calculus. This required hiring and training student workers, troubleshooting major issues, collaborating with the Disability Resource Center, and administering all makeup exams.

Our usage totals ranged from 1350 students in the fall to 800 students in the spring. In my nine years of duty, I oversaw over 10,000 examinations with very few issues. The few that did arise were all handled in a satisfactory manner.

Math 1113 Intensive Coordinator.

Aug 2015 — May 2019

I was responsible for developing content for our Intensive Pre-Calculus students. These scaffolded assignments are geared towards assisting our at-risk students to better grasp the material that they are seeing in their Pre-Calculus lectures.

The assignments are delivered to the students as a computer assessment or a paper worksheet. Two undergraduate peer leaders (PLAs) are on site for assistance. These PLAs are hired and trained by me.

Math 1113E Course Coordinator.

June 2021 — July 2021

I was given the task to handle administrative duties among the three summer classes taught this term. Duties included creating course materials and exams for all sections as well as mentoring a graduate instructor.

Teaching Mentor.

Aug 2015 — Current

I have served as a teaching mentor for colleagues and graduate students, and I expect to mentor more in the future. My duties as a teaching mentor include class visitation, course management assistance, and letter grade consultations.

Faculty mentored: Hee-Jung Kim, Jacob Grey, Melina Quispesaldanal, Kellie Sappington.

Departmental Website Contributor.

Aug 2015 — Current

I have created the following self-help websites:

WebWork	http://www.math.uga.edu/webwork
Math 1113E	http://www.math.uga.edu/1113E
Math 2250	http://www.math.uga.edu/2250
Math 2250E	http://www.math.uga.edu/2250E

Hiring Committees.

Jan 2015 — Apr 2016

I was part of the hiring committee for our current Academic Professional. I was also a part of the hiring committee for our small-class-initiative lecturers.

Department Study Hall Co-Coordinator.

Aug 2016 — May 2019

This project was started with Kellie Sappington. Our objective was to improve and advertise our departmental study hall. My main duties have been to create a working budget as well as to hire undergraduates to assist our graduate students. My shared duties include tutor training, tutor inspections, and handling student complaints.

Math Tournament Faculty Volunteer.

Aug 2015 — Aug 2019

For the past three tournaments, Mo Hendon has appointed me as the head faculty in charge of the ciphering round and the paper testing for one of our two larger rooms.