

A. Complete CV

Dr. Matthew G. Caputo, Ed.D.
Instructional Assistant Professor
Department of Mathematics
University of Houston
Curriculum Vitae

Education:

Ed.D. (2010). Columbia University, New York, NY. Mathematics Education. GPA: 3.95.

Dissertation Title: *Undergraduate Mathematics Students' Attitudes towards Online Mathematics Education and Achievement in a Hybrid Calculus Course*

This research included preparation and comparison of results in a Calculus I course between two learning environments. Student increase/decrease of achievement was tracked through the semester based on in-class exams and the final exam. Quantitative data (change in student achievement) and qualitative data (student feedback) were analyzed at various points throughout the study. Additionally, sample lesson plans and lesson narratives were provided.

M.A. (2004). State University of New York, Stony Brook. Stony Brook, NY. Mathematics. GPA: 3.87.

B.A. (2002). Saint Joseph's College, Patchogue, NY. Mathematics (Minor: Psychology). GPA: 3.97 (Valedictorian).

Member of Student Government, President of Math Club.

College Teaching Experience:

University of Houston, Instructional Assistant Professor. January 2016 – Present

State University of New York, Old Westbury, Director of Math Ed. August 2010 – May 2012

Saint Joseph's College, Assistant Professor. August 2005 – May 2010

Courses Taught:

University of Houston:

Precalculus, Concepts of Algebra, Introduction to Probability and Statistics, College Algebra, Elementary Modelling in Mathematics, Calculus for Business and Life Sciences.

Administrative Duties and Volunteer Work:

University of Houston:

- Tutoring Hours (8 – 10 hours weekly, including face-to-face and online tutoring),
- Course Coordinator (MATH 2311):
Responsibilities Include:
 - Organizing Course Calendars, Course Notes, and Set-Up of Casa Courseware for all sections of the course.
 - Writing weekly homework assignments and answer keys.
 - Working with the Center of Students with Disabilities, Department of Distance Education, and Casa Testing Centers for exam administration.
 - Revisions of exams (creating new exam questions), providing exam keys to professors.
 - Working/communicating with the course graders.
 - Working with course graders to score Free Response questions for all sections of the course.

- Member of Cougar Allies:
This is an initiative from the LGBTQ Resource Center where faculty and staff at UH can train and make themselves available to assist students within the LGBTQ community. This has including referring students to resources both on and off the UH campus as well as proving a safe-space to talk about topics of concern.

- Participant in Cougar Movers,
- Faculty Advisor for Sigma Beta Rho Fraternity,
- Faculty Advisor for Alpha Theta Alpha Pre-Medical School Organization:
This involves handling the paperwork of a student organization, as well as assisting the organizations leadership with possible ideas and activities.

- Proctoring the Mathematics Competition,
- Question Review for Statistics Mathematics Competition,
- Proctoring the Math Smackdown,
- Assisting with question development for Math Smackdown,
- Attending Commencement and Convocation Ceremonies,
- Attending Lavender Graduation,
- Assisting with High School Days of Discovery,
- LGBTQ Visibility Project participant,
- UH LGBTQ Alumni Association,
- UH LGBTQ AIDS walk volunteer/participant
- Volunteering with Gender Infinity Conference,

- Exam Review sessions for Athletics (MATH 1310, 1311, 1314, 1330, 2311):
Beginning in Fall 2016 to the current semester, I would conduct between 8 and 12 exam review sessions each semester, varying in relation to my teaching schedule.
Due to the strenuous scheduling demands placed on student-athletes, including games, travel, practice, workouts, nutritionist appointments, etc., in addition to their academic work, it was difficult for student-athletes to find time to meet with their instructors for academic assistance. At the request of the athletic-academic advisors, I would arrange and carry out an exam review schedule that presents less conflicts with the athletic obligations of these students. These review sessions are open to all students (athletes and non-athletes) of all sections of these courses.
- Weekly Review sessions with Athletics (at Athletic/Alumni Center):
Beginning in Fall 2018, I would hold 1 – 2 tutoring hours every week in the Athletic/Alumni Center so that student athletes have easy access to additional support.
As with the exam reviews, it is difficult for student-athletes to attend tutoring hours of their instructors. I schedule one hour per week of tutoring, in addition to normal tutoring hours, in the Athletic/Alumni Center at a time that does not conflict with as many of the teams' game and practice schedules. Since many of the coaches and all the athletic-academic advisors work out of that building, the athletes are often there. My giving this additional time for academic support resolves many of the scheduling conflicts that are inherent to a rigorous athletic program and also allows me to work with the athletic-academic advisors about any specific student concerns that I may be able to address.

Professional Development:

University of Houston:

- Blackboard Bootcamp,
- Cougar Mover Training,
- Cougar Ally Training,
- Counselling and Psychiatric Services Training,
- Gender Infinity Training.

Publications:

Practices and Benefits of Reading in the Mathematics Curriculum (2015, Journal of Urban Mathematics Education, Volume 8, Number 2).

This article highlights the need for reading and writing as a part of the mathematics curriculum. It uses data to show improvement in standardized test results when mathematics-based reading and writing in various genres are assigned to students. Samples of possible articles, stories, and assignments are provided.

Recognitions:

- Membership in *Worldwide Association of Notable Alumni* (2016),
- Certificate of Appreciation for judging the engineering projects of I-SWEEEP (2014),
- Inclusion in *Who's Who Among University Professors* (2010),
- Inclusion in *Who's Who Among Professors in North American Colleges* (2009),
- Kappa Mu Epsilon Mathematics Honor Society, Omicron Chapter (2007),
- Inclusion in *Who's Who Among Students in American Universities and Colleges* (2002).

Certifications:

- New York Secondary Education Permanent Certification (Mathematics, 7-12),
- Texas Educator Certification (Mathematics, 8-12).