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# Meredith Boyajian

## Mathematics Lecturer

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## SKILLS

Implementing active learning strategies into the classroom, while creating a welcoming and open-minded environment to help all students succeed to their full potential.

## EXPERIENCE

### University of Rhode Island, Kingston, RI - *Mathematics Lecturer*

JUNE 2018 - PRESENT

- Lecturer for MTH 208/MTH 209 sequence - Numeracy for Teachers I/II. Spring 2019 - present.  
In this course, I help future elementary education teachers develop the appropriate skills needed to implement meaningful math lessons for their students and the Common Core and National Council of Teachers of Mathematics standards.
- Coordinator for MTH101 - Fall 2021.  
My job as a coordinator is to create the course syllabi, homework assignments via WeBWork, midterm and final exams, and problem group meetings for students. My goal for students taking this course is to gain a deeper knowledge of algebra and apply the material learned to their majors.
- Math Coordinator for URI's STEM Academy, TD Program - Summer 2021. This past summer was the first year we implemented the STEM Academy into the TD program. My job was to create math lessons that aligned with the Biology and Chemistry labs and experiments students conducted during their morning hours. The goal is for students to see the connection between science and math, and why math is needed to be a successful scientist.
- Lecturer for MTH107 - Intro to Finite Mathematics. Fall 2019, Fall 2020. The topics covered in this general education course are Logic, Sets and Counting, Probability, and Statistics.
- Lecturer for MTH 101 and MTH 103 Online. Summer Session I 2020-2021.

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I designed each course to help students make the connection between the content being studied and their major by requiring students to participate in group work and discussions based on real-life application tasks, and an independent final application project.

- Lecturer for MTH 103 - Applications of Precalculus. Fall 2018 - Fall 2020. This is a service course for students in the College of Environmental Life Sciences. I have been working on developing meaningful lessons that connect the mathematical content to their specific majors.
- Lecturer for MTH 101 - Intermediate Algebra. Fall 2018. This course focused on specific algebra skills needed to be successful in Precalculus for math and engineering majors.
- For MTH 103 and MTH 101, homework is obtained through the online program WebWork.
- Teaching 12 credit hours or the equivalent each semester.
- Hold regular office hours for consultation with students, and participate in student advising activities as they pertain to instructional responsibilities.
- Serving on the Undergraduate Committee for the math department.

#### **Oak Middle School, Shrewsbury, MA - 7th-grade Mathematics Teacher**

AUGUST 2014 - JUNE 2018

- Developed and implemented differentiated lessons that involved inquiry and active learning for 7th grade co-taught, inclusion, and English Language Learner populations.
- Used Schoology as a platform to communicate with students and parents.
- Created and provided daily warm-ups and class documents via Schoology.
- Assigned daily homework assignments on MathXLforSchool, and weekly skill builders on ASSISTments.
- Used technology to relate classroom material to real-life situations.
- Aligned Pearson CMP3 content standards to the Massachusetts Frameworks.

#### **Cranston High School East, Cranston, RI - Math Teacher**

JANUARY 2014 - JUNE 2014

- Taught Algebra 1, Math Workshop, and PreCalculus
- Providing instructions to students using the Common Core standards.
- Developing structures and procedures that will enable students with challenging behaviors to succeed in school and the community.

#### **Mount Pleasant High School, Providence, RI - Math Teacher**

SEPTEMBER 2013 - JANUARY 2014

- Taught Algebra 2, and Trans Math to newcomers to the United States

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- Motivated students to develop the appropriate mathematics skills needed to pass the PARCC exam by incorporating Common Core standards into everyday lessons.

## EDUCATION

**Worcester Polytechnic Institute, Worcester MA** - *Master's in Mathematics for Educators*

Summa Cum Laude

SEPTEMBER 2016 - JULY 2018

**Mount Holyoke College, Holyoke, MA** - *Connecting Arithmetic to Algebra Course*

SEPTEMBER 2015 - JUNE 2016

**University of Rhode Island, Kingston, RI** - *Bachelor's in Secondary Mathematics Education*

Cum Laude

SEPTEMBER 2009 - MAY 2013

## ADDITIONAL WORK EXPERIENCE

**University of Rhode Island, Kingston, RI** - *Teacher Assistant, MTH101*

SEPTEMBER 2012 – DECEMBER 2012

- After the professor presented the material, I would work with my group of eight students
- by formulating examples that reflected the content.
- Held two recitations a week for students who needed the extra practice.
- Proctored exams.

**University of Rhode Island, Kingston, RI** - *Teacher Assistant, MTH101*

SEPTEMBER 2012 – DECEMBER 2012

- Math tutor for the football team.
- Familiarize students with current material for upcoming quizzes and exams.
- Assisted students outside of study hall hours if needed.

## RESEARCH AND PUBLICATIONS

de Groot, C., & Boyajian, M. Like terms: What's in a name? Mathematics Teacher, NCTM, Reston, VA.