

## UTA Program Reflection

Through the UTA program, I have been able to interact with mathematics in a way that I have not done before. Learning a subject and teaching a subject are very different and through this process I have gained a better understanding of many topics in mathematics. For Fall 2023 I was assigned to work with students in MATH 243, discrete mathematics with Dr. Moysey Brio who was wonderful to work with. Although I was already confident in my knowledge of discrete mathematics, through this program I was able to expand my understanding and learned how to think through the perspective of other students. It was also interesting to see how the instructor taught the class since I had not taken the class before but had taken an equivalent class for mathematics majors. I also was assigned to tutor for Vector Calculus. As a tutor I was able to freshen up on my understanding of calculus and gained a lot of experience in teaching calculus concepts. I was also able to meet a lot of students and hear a lot of different perspectives. This allows me to better understand and connect with new students that I will meet in the future, which is a skill that not only helps me to be a better teacher but also helps me to be a better student.

In this program, I have gained experience with lecturing, giving professional presentations, and grading. This experience will be very beneficial for me as I continue in academia. My UTA duties included weekly grading of quizzes and class activities, hosting exam review sessions, responding to student questions, and grading exams. I also had the opportunity to proctor an exam and give two lectures. Seeing how classes are run from the perspective of a teaching assistant has given me a unique insight into what instructors do in a semester which has allowed me to better understand and connect with my instructors in other classes.

I would recommend this program to any fellow undergraduate that has a passion for teaching or helping others. Being a UTA can require a lot of patience, but it is also very rewarding. I would like to take a moment to thank Dr. Upadhyay and Dr. Suresh for giving me the opportunity to be a part of this program and for teaching useful skills in the UTA seminar.