Course Announcement for Spring 2023
Math 532 – Algebraic Topology (3 credits)

It turns out that algebra is a very powerful tool in understanding topological spaces. This course begins to investigate techniques for how this can be done. In particular, we will learn about homotopy, fundamental groups, covering spaces, and homology groups.

The course will be taught in a traditional style. I will assume that you have some experience with elementary group theory. I will begin the semester introducing some of the necessary concepts from point set topology - eg. continuous maps, compactness, connectedness, etc. For this reason, there is no topology prerequisite for this course.

Be sure to let me know if you have any questions or requests. I hope to see you in the spring!

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