Course Title: Topology I

Course #: 70700

Time and Location: Tuesday and Thursday 11:45 -- 1:15

Instructor Name: John Terilla

Contact Information: jterilla@gc.cuny.edu

Pre-Requisites: Working knowledge of undergraduate analysis & linear and abstract algebra

Office Hours: To Be Announced

Description:

This is the first semester of a two semester course in Topology. This course will cover some point set topology and some beginning algebraic topology. Point set topology will be covered briskly with two aims. One is to provide the basic topological foundation that is important for other subjects such as analysis, number theory, and algebraic geometry. The second aim is to use point set topology as a basis for introducing the categorical ideas that are essential in many areas of modern mathematics. The textbook for the course is Topology: A Categorical Approach (https://mitpress.mit.edu/books/topology) which will be published this Summer.