Math 540: Introduction to Algebraic Topology I

Instructor: Kristen Hendricks

Email: kristen.hendricks@rutgers.edu

Course Location and Time: TTh 1:00-2:20 in HLL-005

Website: www.math.rutgers.edu/~kh754/Math540.html

Office Hours: T 3-4, Th 11-12 over Zoom; Meeting Id 570 840 4797 with passcode cycle.

Prerequisites: Point-set topology and knowledge of abstract algebra (groups, rings, fields).

Topics: This is a standard first course in algebraic topology. We will cover the fundamental group, covering spaces, and singular, simplicial, and cellular homology and cohomology. Along the way we will prove some rather nice applications.

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