

**AMAT 540A: TOPOLOGY I**  
**SYLLABUS - FALL 2021**

**Instructor:** Prof. Matt Zaremsky

**Course meets:** MW 11:40–1:00pm in ES-153

**Course Website:** <http://www.albany.edu/~mz498674/teaching.html>

**Office:** ES-136A

**Email:** mzaremsky at albany dot edu

**Office hours:** W 9:40–10:35am and F 11:40–2:00pm, in my office.

1. TEXTBOOK

None officially required. I'll generally work out of Munkres' "Topology" (second edition), so that could be good to have.

2. COURSE DESCRIPTION

Introduction to graduate-level topology. Topics include topological spaces and continuous maps, metric spaces, compactness, connectedness, separation and countability axioms, fundamental groups, and covering space theory.

3. PREREQUISITES

Permission of the instructor (you only need to ask me if the system doesn't let you register though).

4. HOMEWORK/GRADING

There will be weekly homework assignments. No late work accepted. There will also be a midterm/final.

5. POLICIES

See university policies [here] (medical excuse policy), and [here] (academic integrity).