

AMAT 540B: TOPOLOGY II
SYLLABUS - SPRING 2022

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

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Office hours: M 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), and Hatcher's "Algebraic Topology" [link].

2. COURSE DESCRIPTION

Topics include fundamental groups, covering space theory, and homology groups of complexes. If time permits, further topics could include cohomology groups/rings, higher homotopy groups, and topological methods in group theory.

3. PREREQUISITES

AMAT 540A or equivalent.

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).