AMAT 640: INTRODUCTION TO COMBINATORIAL GROUP THEORY
SYLLABUS - FALL 2019

Instructor: Prof. Matt Zaremsky
Course meets: MWF 10:25-11:20am in ES-153
Course Website: [http://www.albany.edu/~mz498674/teaching.html](http://www.albany.edu/~mz498674/teaching.html)

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Office hours: MWF 9:45-10:25am and MWF 12:25-12:45pm, in my office.

1. Textbook

None officially required. I'll generally work out of John Meier's *Groups, Graphs, and Trees*, and Drutu-Kapovich's *Geometric Group Theory* [link].

2. Course description

The first half of the course will mostly serve as an introduction to geometric group theory, and the second half will focus on hyperbolic groups and their relatives.

3. Prerequisites

AMAT 520A and AMAT 540A or equivalent (introductory graduate-level algebra and topology).

4. Homework/Grading

There will likely be homework and exams. (This is essentially a topics course, and so things will not be overly formal.)

5. Policies

See university policies [here](http://www.albany.edu/~mz498674/teaching.html) (medical excuse policy), [here](http://www.albany.edu/~mz498674/teaching.html) (academic integrity), and the following (absence due to religious observance):

"Instructors must explicitly refer to New York State Education Law (Section 224-A) whereby campuses are required to excuse, without penalty, individual students absent because of religious beliefs, and to provide equivalent opportunities for make-up examinations, study, or work requirements missed because of such absences. Faculty should work directly with students to accommodate religious observances. Students should notify the instructor of record in a timely manner."