TOPOLOGY II
MATH 205B • WINTER 2017
MWF 9–10, SURGE 284

- Instructor: Carl Mautner
- Email: (Instructor's last name)@math.ucr.edu
- Office: Surge 255
- Office hours: ?? or by appointment
- Class website: http://www.math.ucr.edu/~mautner/W17top

Course objectives: Seifert-Van Kampen Theorem, Classification of Covering Spaces, Simplicial and chain complexes, Simplicial and singular homology, and applications. More if time permits...

Text: The topics in the first part of the class begin where 205A left off and are covered in *Topology* by Munkres. This material is also covered in the text *Algebraic Topology* by Allen Hatcher, which we will use for the remainder of the course. Hatcher's book is available for free online at: https://www.math.cornell.edu/~hatcher/AT/ATpage.html, as well as in print.

Grading: The grade will be based on homework assignments (20%), one midterm exam (30%) and a final exam (50%).

Any instance of cheating may result in a failing grade for the assignment, exam or course.

Homework: Homework will generally be assigned over the course of the week and due the following Wednesday. A list of the homework problems will be kept on the webpage.

Collaboration: You are encouraged to discuss homework problems with other students. However, you should think about the problems yourself before discussing them with others and the final write-up of any solution should be your own. Copying other students' solutions is not allowed. For each question on the problem set, I ask that you write a list of everyone with whom you collaborated on that problem. If you did not collaborate with anyone, please explicitly write, "No collaborators."