

Course Contract
MTG 6346: Topology I

Instructor: Dr. Kevin Knudson
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Office Hours: M7, T4, F4

Text: *Algebraic Topology*, by A. Hatcher (free PDF: <https://pi.math.cornell.edu/~hatcher/AT/AT.pdf>)

Course content: We will discuss the following topics: homotopy and the fundamental group; simplicial, singular, and cellular homology; persistent homology; and as time allows, begin a discussion of cohomology. Along the way we will learn a lot of homological algebra.

Grading: A necessary condition for success in this class is diligent completion of homework. I will assign homework regularly and take it up every two weeks or so; this counts 50% of your grade. A mid-term exam will count 20%, and there will also be a final exam worth 30%. A standard 10-point grading scale applies.

University policy on accommodating students with disabilities: Students with disabilities requesting accommodations should first register with the Disability Resource Center (352-392-8565, www.dso.ufl.edu/drc) by providing appropriate documentation. Once registered, students will receive an accommodation letter which must be presented to the instructor when requesting accommodation. Students with disabilities should follow this procedure as early as possible in the semester.

University policy on academic conduct: UF students are bound by The Honor Pledge which states, "We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honesty and integrity by abiding by the Honor Code. On all work submitted for credit by students at the University of Florida, the following pledge is either required or implied: "On my honor, I have neither given nor received unauthorized aid in doing this assignment." The Honor Code (www.dso.ufl.edu/sccr/process/student-conduct-honor-code/) specifies a number of behaviors that are in violation of this code and the possible sanctions. Furthermore, you are obligated to report any condition that facilitates academic misconduct to appropriate personnel. If you have any questions or concerns, please consult with the instructor.