MATH 6332 – Introduction to Topology
Fall 2017

Instructor
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Office Hours: MTW 1-2 or by appointment

Textbook
Basic Topology, by M.A. Armstrong

University Policies
See `http://www.shsu.edu/academics/syllabus-guidelines/index.html` for Sam Houston State University's policies on academic dishonesty, religious holy days, students with disabilities and visitors in the classroom.

Grades
Your grade will be determined by your performance on the following: one midterm exam (40%), one final exam (40%), and weekly homework assignments (20%). I will record your grades for each assignment in Blackboard; you are responsible for making sure the recorded grade matches your actual grade. If your recorded grade does not match the grade written on your assignment, you have one week from the day the assignment is returned to draw my attention to the error.

Exams: The midterm and final exams will be proctored exams. The midterm exam will be Thursday, October 12 during our regularly scheduled meeting time, and the final exam will be Thursday, December 7 12PM - 2PM.

Homework: Written assignments are due weekly. While it is unlikely that you will succeed if you do not collaborate with your fellow students, the work you submit for grading must be in your own words. All homework assignments must be submitted using LaTeX.

Searching for homework solutions on the internet will be considered academic dishonesty in this course.

Rules of the Classroom
I expect you to be courteous to your classmates during class. In particular, you should not distract your classmates by talking to students around you about subjects unrelated to mathematics, reading the newspaper or using any of your electronics in a way that is inconsistent with active class engagement. I also expect that you will communicate respectfully with your fellow students when sharing ideas.

Course Topics and Schedule
The tentative schedule for the course is as follows:

- Introduction to Topological Ideas (Chapter 1) – Aug. 24 to Aug. 31
- Continuity (Chapter 2) – Sept. 5 to Sept. 12
- Compactness and Connectedness (Chapter 3) – Sept. 14 to Sept. 26
- Identification Spaces (Chapter 4) – Sept. 28 to Oct. 10
- The Fundamental Group (Chapter 5) – Oct. 17 to Nov. 2
- Surfaces (Chapter 7) – Nov. 7 - Nov. 14
- Degree and Lefschetz Number (Chapter 9) – Nov. 16 to Nov. 30