Math 501. Topology
Fall 2009. Course No. 15225

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Class Meets: Mondays and Wednesdays, 5:30–6:45 pm, CR 5114
Office Hours: Mondays and Wednesdays 3:00–3:45 pm, and by appointment.
Course Web Page: http://www.csun.edu/~ac53971/courses/math501/

Textbook: "Introduction to Topology" (Dover) by Gamelin and Greene.
Recommended Text: "Elementary Topology" (AMS) by Viro et al.

Course Objectives: Besides their own intrinsic interest, topological concepts underlie many other mathematical disciplines, like analysis and geometry. Math 501 is a basic course in Topology; we will study first metric spaces, then make an abstraction into topological spaces. We will also study several important topological properties: compactness, completeness and connectedness. As time allows, we will explore more advanced topics, like homotopy theory and function spaces.

Homework: It will be assigned weekly. Homework assignments will often be the base for quizzes.

Quizzes: In class quiz at least every other week. There will be no make-up quizzes, but I will remove your lowest quiz score when computing your final grade.

Exams: The final exam is comprehensive and will be on Wednesday, December 16, 5:15 – 7:15 pm

Grades: Your total score (out of 100 points) will be determined as follows:
- 40% Quizzes
- 60% Final Exam

and your **final grade** will be determined as follows:
- A if total score is 85 points or more,
- B if total score is between 70 and 85 points,
- C if total score is between 55 and 70 points,
- D if total score is between 40 and 55 points,
- F if total score is below 40 points.

I will use +/– when assigning your final grade.

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