TOPOLOGY
Mathematics 525   Fall 2010
TTh 3:30-4:45   Lippitt 201

Instructor: Prof. Woong Kook
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TEXT: Topology by James R. Munkres (1ˢᵗ or 2ⁿᵈ edition)

COURSE: The main topic of this course is point-set topology. We will cover most of the first seven chapters of the text. Each class will cover roughly one or two sections. If time permits, we will cover the fundamental groups and covering spaces.

GRADING: Your course grade will be based on homework (40%), two midterm exams (30%), and a comprehensive final exam (30%). See below for details.

HOMEWORK: Weekly assignments will be given on Thursday and due in class the following Thursday. It is crucial to keep up by working all assigned problems. I strongly recommend working on the homework problems over the weekends and ask about any you cannot solve during classes. Although collaboration among students is allowed, you must write your own solutions and give credit to your collaborators or other references for important ideas and comments.

EXAMS: There will be two in-class midterm exams. The dates of the midterm exams will be announced later. Two midterm exams count for 30% of your course grade. The final exam, which counts for 30% of your course grade, will be a comprehensive exam covering all of the topics covered during the semester. I will give you more information about the final exam near the end of the course.

REMARKS: Tues. Oct. 12 Monday classes meet
              Wed. Nov. 10 Thursday classes meet

Other recommended references are the following:

   Introduction to Topology by Gamelin and Greene
   Topology: An Introduction to the Point-Set and Algebraic Areas by D. Kahn
   Lecture notes on elementary topology and geometry by Singer and Thorpe
       General Topology by Nicholas Bourbaki